Serving Florida Amateurs Over A Quarter Century

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NON-PROFIT CORPORATION

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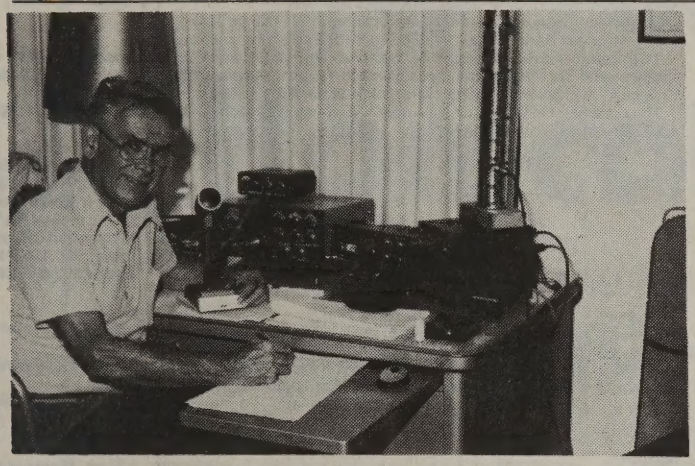

Florida Midday Traffic Net Secretary and Northern Florida ACC, Roy Mackey, N4ADI shown at his post as Tuesday NCS for FMTN. Retired from G.E., Roy, with his XYL Carolyn, live in Maitland. (Photo by Carolyn Mackey.) (Editors question: Is that a beer can verticial on right?)

RENEW FOR 10 YEARS

The Ten Year Amateur License is now a reality, but you must renew your current ticket in order to get one. The Commission acted on October 6th to affirm PR Docket 83-337 and has extended the operator and station licenses in the Amateur Service to 10 years, while, at the same time, changing in the grace period for renewing an expired license from the current 12 months to 24.

The Commission said that it would not issue a blanket order extending existing licenses because it felt that this would be confusing to both U.S. amateurs and foreign licensing authorities who have reciprocal agreements with the United States. Instead, the 10 year license will be phased in as current licensees apply for renewal. (FCC Order 83-454-5, October 6, 1983)

(WESTLINK REPORT 10/21/83)

COMING EVENTS

Hernando Co. Hamfest, Mar. 3rd.
Ft. Myers Hamfest, March 3rd.
Orlando Hamcation, Mar. 9, 10 & 11th.
Playground Swapfest Mar. 17 & 18th.
18th FLA. QSO Party, May 5 & 6th.
ARRL Field Day, June 23 and 24th.
Please send in your events early. Ed...

SECOND CLASS MAIL

5166

THE "EC" LIFE NO. 1

By Al Elmore, WA4RGO, EC Duval Co. ARRL

There are certain minimum essentials necessary in order to maintain effective control during an emergency net. In a few short sentences let me offer the following for your consideration:

(1) QUICK, SHORT CHECK IN: Give your callsign only. Net control will ask for handle and further clarification, if needed.

(2) NEVER CALL NET CONTROL unless you have urgent or emergency traffic essential to the well-being of the emergency in progress. Information reports on the nature of the emergency will be given by the NCS as frequently as reasonable (every ten mintues if possible). Please contain your curiosity or go to another frequency for information. This is especially important during the first 30 to 45 minutes of the net being activated.

(3) KEEP ALL TRANSMISSIONS SHORT! Real short! Quick! Pointed! Even terse, if possible. Do not give your callsign on each transmission if you feel that net control knows who you are. But IF IN DOUBT, by all means identify. You be the judge. Net control will ask for ID if not certain.

(4) GET A CONFIRMATION on any important traffic you have just passed. No need to handle the same traffic twice or to overlook important messages even the first time.

(5) DOUBLE CONFIRM the accuracy of your emergency traffic. There is absolutely no place for panic information in a professional organization like ARES. To the best of your ability, be sure your source of information is reliable and accurate. Sometimes, this can be a tough assignment, but do your best. Remember, be brief even with your emergency transmissions.

(6) BE PATIENT with net control. You are not the only person he is keeping track of. He must relay and receive information from others at control headquarters and may not answer you immediately. DO make sure he confirms your transmissions to him, however. Let's not drop a call for help.

(7) STAY WHERE YOU ARE ASSIGNED even though you may be tempted to move where the excitement is greater. Net control knows he has assigned you there and will be depending on you in an emergency. If you think it might be wise to move to another position, clear it with net control before doing so.

(8) IF YOU WANT RELIEF for any reason, call net control as soon as possible and advise him.

(9) STAY ON THE FREQUENCY ASSIGNED. In some emergencies, we will also possibly use 146.88 as a backup and/or 146.52 simplex in close areas. Be sure and stay where you are assigned.

Change over only in the event you are unable to reach net control on your assigned frequency.

SUMMARY: BRIEF CHECK IN / KEEP QUIET UNLESS YOU HAVE URGENT TRAFFIC / DON'T ASK STATUS QUESTIONS UNLESS NECESSARY / LISTEN TO NET CONTROL / BE PATIENT / STAY WHERE ASSIGNED / KEEP ALL TRANSMISSIONS SHORT / CONFIRM ALL IMPORTANT MESSAGES.

In closing, be proud and thankful that you have been given an opportunity to serve rather than be served! You are serving in a professional capacity as a trained communications expert. Believe me, after 23 years of very active duty with the Florida Highway Patrol Auxiliary, ARES does its job as well as any other emergency organization I know of. One last request, after an emergency, you are encouraged to contact me personally with your opinions and observations as to how we can improve our emergency service through amateur radio. If you don't, you might be the victim of your own failure in some future emergency.

(NOFARS - BALANCED MODULATOR)

UTC OR GMT?

The time zones which we use, such as EST, MST, etc., or, for that matter, Zulu time, are all related to Coordinated Universal Time (UTC). For the purpose of radio communications Greenwich Mean time (GMT) is out.

GMT was based on solar time, i.e., the earth orbit around the sun. It was, if you wish, astronomical time. Becaue the orbit of the earth around the sun is not circular, corrections had to be made, thus creating "mean solar time". The system served us well for many years until something better came along in the form of atomic oscillators.

Atomic oscillators are extremely accurate, and give us the benefit of a very uniform time scale. On the other hand, navigators require a clock tied to the exact position of the earth and are therefore less impressed with uniformity of time. In fact, precise navigation requires conversion back from UTC. So you see, you cannot please all at the same time.

In fact, the new UTC system, which was adopted in Geneva in 1971 and became effective in 1972 is a compromise between the scientist's desire for a uniform time scale and the navigator's need for solar time, which is referred to as UT1. UTC is maintained by atomic clocks at a uniform scale up to an error of 9/10 of a second as compared to the navigator's time. At that point a leap second is introduced as correction. If you listen carefully to WWV, you may hear double ticks or pulses after the start of each minute. This gives you the UTC - UT1 correction, in units of 0.1 second. The location of the double tick within the minutes indicates the sign (+ or -) of the correction.

(Peter Van, WE4Q - BARC BULLETIN)

N O T I C E PHOTOGRAPHERS

FLORIDA SKIP is about out of photos. How about sending in one of you and your station? We also need club and public service event photos. Please give details about person in pix for a cut line. Black & white or color will do, as long as photo is clear and not too dark. Many thanks. Editor

S I L E N T K E Y S

We are deeply sorry to report the passing of the following amateurs. May the R. I. P.

K4BBH	Clif Troutner	Sebring
WD4AIK	Francisco L. Oroza	Miami
WB4RNA	Anne Gagliardi	Ft. Myers
W4PFH	Bob O'Conner	Ruskin
K4WXS	Mrs. Lee Kanarian	St. Petersburg
K2EGH	Roy W. Foxhill	Homoscssa
W4ERA	Carl A. Goldner	Floral City
K4FVO	Louis J. Stenger	Bartow
W4SFW	Frank Ambrose	St. Petersburg

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Bob Denton, WB4FGL, Ploof Reeder

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DEADLINE: 8th of month in P.O. Box 501, Miami Springs, FL 33266

TO THE EDITOR

Dear Editor:

The attached PRESS RELEASE will be of great interest to your readership. (See "SUN-DAY MAY 5-6" ELSEWHERE. EDITOR)

The Florida Solar Energy Center, administered by the University of Central Florida, and the Indian River Amateur Radio Club have combined resources for this SPECIAL EVENT, SUN DAY.

SUN DAY is a multi-media public event to demonstrate SOLAR heating, cooling, cooking and electrical development and production.

These two organizations will be celebrating SUN DAY on May 5 and 6.

The Amateur Radio stations will be operating solely on solar energy.

Two items will be available to amateur and short wave listener stations. First, a multicolored certificate and, second, upon request, a quarterly newsletter "The Solar Collector" will provide the very latest high-technology information on solar energy.

The attached certificate is a sample which you may publish along with this SPECIAL EVENT information.

Thank you.

With kindest regards,
Carl S. Zelich, AA4MI
Indian River Amateur Radio Club
SUN DAY
Public Information Officer
tele. Home (305) 452-6410
Work (305) 867-6606

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Dear Andy,

We had a good response to interest in radio classes (18 novice, 12 general) and will start one. Please place in March Florida Skip insert.

GENERAL RADIO Class starts on Tuesday, February 28 at Chaminade H.S., Hollywood at 7:30 P.M. For further information phone (8 to 4) 989-5151.

Bro. Les, KA4B

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Andrew:

While checking old issues of World Radio, I came across the XYL Award. Is this still being issued? I think my wife truly deserved this, after putting up with it for 2 years while we were engaged, then 1 yrs. (so far) of marriage and a move to DU-Land. Please let me know if any costs are involved and if the award is still available. In case the award is issued free, I've enclosed my wife's name. Thanks.

73,
Rick Todd, N8CQX/DU2
PSC No. 2, Box 12956
APO San Francisco, CA 96311

Wife's Name — Leanne Todd.

(EDITOR NOTE: Yes, the DEAR MABLE AWARD IS STILL AVAILABLE FOR $2.00 TO COVER COST OF CERTIFICATE PRINTING, POSTAGE, HANDLING, ETC. IT IS A BEAUTIFUL CERTIFICATE AND YOUR XYL WILL BE SUPER PLEASED. — AC)

•

Letters QSY 10

E X C A L L S

The Ex-Calls keep coming. Here is another list. Have you sent in yours? Editor

WY4J	ex	WA2VXO
AF3E	ex	W3KHB
KF4TT	ex	N4ICN
WU4I	ex	KA4LVK
KF4GZ	ex	KA4MGQ
KF4HA	ex	KA4MGR
WX4T	ex	KB4FAZ
N4ICP	ex	KZ5SB, KP4ANS
K5TQN	ex	W1CLM
KI4EB	ex	N4BBK
W4ZLR	ex	KN5TOI, K5TOI, F7AU, 5A3TJ.

FLORIDA SKIP, INC. March
P.O.BOX 501
MIAMI SPRINGS, FLORIDA 33266

Enclosed is $5.00 for 1 year, $9.00 for 2 year membership to FLORIDA SKIP.

☐ New ☐ Renewal

My CORRECT address is: Call _____

Name _____

Address _____

City _____

State _____ Zip _____

Orlando's Hamcation '84

at the air conditioned

EXPO—CENTRE

near I-4 and Hwy. 50, downtown
free parking available

March 9-10-11, 1984

Fri. 5 - 9 p.m., Sat. 9 a.m. - 5 p.m.,
Sun. 9 a.m. - 2 p.m.

1984 FLORIDA STATE ARRL CONVENTION

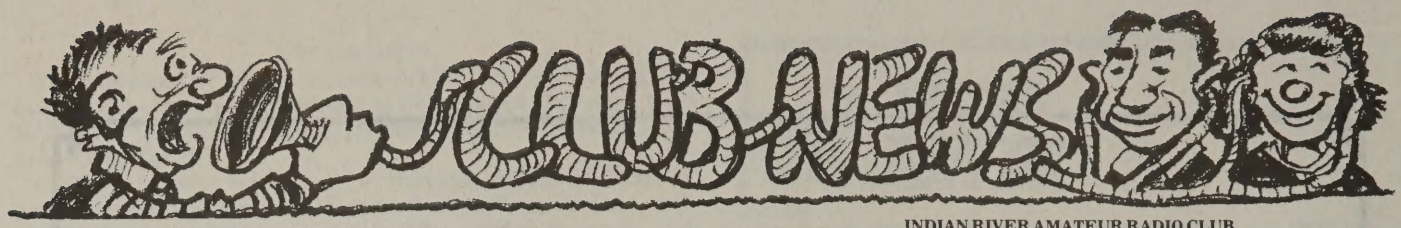
REGISTRATION $5 advance, $7 at door
Under 14 free

SPECIAL PROGRAM FOR LADIES SATURDAY.

For swap tables, commercial booths, advance registration or information, please send S.A.S.E. to:

AL HUBER, KC4CT HAMCATION CHAIRMAN
P.O. Box 15142 • Orlando, Florida 32858

Talk-In on 146.16-.76



NORTHERN FLORIDA NEWS
By Billy Williams, N4UF

Hamfest season is underway. The Tropical Hamboree (Miami) was well-attended and enjoyable. Next on the agenda is the Orlando Hamcation set for March 9-11 where I hope to see many familiar faces. A week later, the Playground ARC presents the Ft. Walton Beach Swapfest while the Hernando County Hamfest will be held on Saturday, March 3rd. The Greater Jacksonville Hamfest is scheduled for August 4th and 5th. The Tallahassee ARS is exploring the possibility of an event in that area with KA4DBZ heading up a feasibility study. K4AQQ is busy on 160 meters with over 60 countries. He also finished in the top 10 during the recent "top band" contest. The easing of restrictions has really opened up that band in Northern Florida. KC4N and KA4YLU gave an amateur radio demo to Boy Scout Troop 44. KC4N, who is our State Gov't. Liaison invites input on legislative matters and will keep us informed of any pending laws which need to be checked out. TARS had a meeting attendance record broken with 53 percent in January! W4MDH of Tallahassee is pursuing a cable TVI complaint which he has filed with FCC. Seems the local cable company's attitude changed overnight from cooperation to hostility thus prompting the action by Tom. All areas should be vigilant about cable interference.

WF4X was inadvertently omitted from the top 20 traffic handlers last month. His total was 807. Phil is our leading BPL earner over the past three years and has represented us very well into the 5th region.

The HCARA annual banquet had 75 in attendance in Brooksville last month. Novice classes are also underway there. WB4TPG reports the Flatlanders Run was very successful. Hams provided communications on the new 145.15 repeater. KB9LT was head honcho for the Spring Hill Run in the Sun and reports a smooth operation. WA4RGO headed up communications for the 26 mile Jax Marathon in early January. Good publicity for amateur radio through WEXI radio which broadcast the entire race. That station got two scoops via hams. One was the race results and the other was the prediction that the Raiders would win the Super Bowl. The Lake Monroe ARS had a presentation on packet radio by KF4LG and W1BEL which was well-received. LMARS Committee chairmen for 1984 are KF4WM, W3SOB, AB6I, WD4BMN, W0RAO, N4ADI, KB4LB, AJ4L, K4AHO, KW4V and NE4I. LMARS is one of 3 SSCs in Northern Florida.

The Orange Park ARC has purchased new duplexers for its 07/67 repeater. NU4Y is tech committee chairman. In Daytona, N7SD is beginning a new series of ham classes. DBARA meets the 3rd Monday of each month at the Red Cross Bldg. on White Street. Nets in that area are the RACES Net (147.24 rptr); Volusia Emergency Net (147.42 simplex daily at 7 p.m.) and the QCWA Net (147.15 rptr at 7:30 p.m. Weds.). WESVARS meets the 4th Monday of each month at the Orange City Red Cross.

The Gulf Coast VHF Traffic Net under the leadership of N4EZU continues to post fine totals. It meets nightly on the 147.96/.36 repeater. New officers of the Crestview ARC are KD4M (President); K4FGI (VP); W4ZGS (Secretary); KA4VDK (Treas.) and KA4KMP (Act. Mgr.). A RTTY Mailbox is operational on the 147/33 rptr in FWB with K0BWN as system operator.

The new Emergency Coordinator for Bay County (Panama City) is Tom Giles, K4GVV. Actually Tom has much experience in emergency communications and it is a pleasure to have him active again with ARES.

Thanks to all of the traffic nets for another banner holiday season. The availability of NTS liaisons and net controls seemed to be much greater this year which meant less work for each person involved. From what I can tell, the efficiency of the message handling was very good with very few complaints of non-delivery. KF4YE continues to provide a valuable service to Florida traffic people with his guides. They are very well organized and production quality is excellent. Drop him an SASE for a copy.

In closing this month, I would like to quote Item Four of the Radio Amateur's Code. Most organizational snags and problems can be traced to not following this statement. While many rules and guidelines have been published by ARRL and other groups, I think this one statement sums up the ideal situation for which we should all strive. This, more than anything else, in my opinion, portrays the true spirit of amateur radio. "the Amateur is Friendly . . . Slow and patient sending when requested, friendly advice and counsel to the beginner, kindly assistance, cooperation and consideration for the interests of others; these are the marks of the amateur spirit."

TAMPA AMATEUR RADIO CLUB, INC., W4DUG
By "Cy" Connolly, W4DVO

Much activity now at Club House, and Florida State Fair, which opened Feb. 8th, 1984. Message Booth at fair, as for almost, fifty years. RTTY set-up at Fair, as well as Club House. Some traffic may be handled by Computers. We've gone modern for sure!

Frank, K4EUK, now active all nets Fone and CW, heard on Gator Net, also with Vance, W4OVE, and Bob, W4PFH. Larry, KB4X, and Frank, K4EUK, on several TV programs via Ch. 8, WFXL, topic, Amateurs in Space, and various Amateur Communication work, in emergencies, special events, parades, etc. Very good publicity, and Thanks Fellas!

Club Member, Ron, KB4GWJ, now on air. Ron is recent graduate from Club Amateur License classes. John, W3SAI, now on air, with some help in antenna erection, from club members. Saturday, club meetings informal (bull sessions) continue, but cold has put damper on and slowed attendance. Fair Activity, Gordon, WB4RHY, is in charge Fair Grounds booth and Crew. K4EUK, Frank, at club house, and Head Honcho there. Art, KA4WNZ, on evenings, with open house so may get RTTY going. Most traffic via our old reliable, Mae and Al, W3CUL/W3VR, Seminole, Fla. All for now. 73.

HILLSBOROUGH AMATEUR RADIO SOCIETY
By Winona Sullivan KA4MEW

The regular monthly business meeting was held January 23rd in our newly acquired location at 5723 Benjamin Center Drive in the Telecom Plus building. The Educational Committee reported that Novice classes at the Town and Country Public Library are continuing with great success and interest. The Repeater Committee now has found their machine, but is searching for a compatible location site to serve the area, north and northwest. KY4G, Sammy will entertain any good suggestions!

Jim Webb, KE4VI, has volunteered as the club's secretary for 1984 after the resignation of Everett Hale, KA4IZQ, due to personal reasons. Thank you Jim.

By unanimous vote, KF4DD, Gerry Kamen became our newest member — Welcome to HARS, Gerry!

INDIAN RIVER AMATEUR RADIO CLUB
By Gloria Wallace, KA4ZCD

Greetings for the second month of the year. It sure has been an exciting start what with our own Joe Rubino WA4MMD making contact with W5LFL and was using his handitalkie with the Vocom antenna. From your drive way Joe? Are you SURE you didn't have a great big linear hooked to that 2 watt handitalkie? Congrats anyway Joe.

The IRARC is to have a page in the BRA newsletter. It is being written by Dick W4YWA so if you have any news to put in there let Dick know.

Visitor Dave Tornoto is in need of help with his CW. If anyone can help him give him a call. There is to be a radio class to be started at the MI high school in the next few weeks. Anyone in the area who knows of someone who needs or wants to attend a class should get in contact with Mel Smalley at 632-0600 or Glenn Diggs at 452-5760.

It was reported that AA4MI Carl has been released from the hospital and is doing well. Hurry back Carl. Of course the ever faithful DUES are due again. Your check would be appreciated promptly. A word by Andy W4PRK that the 444.25 Mhz repeater is on the air and that it now requires a 103.5 hz sub-audible access tone.

The door prizes were won by Phil Malmberg, Joe Rubino, and Andy Anderson. Don't forget the Dinner at Gatsby's on Cocoa Beach the 4th Friday. Hope to see you all there.

FORT MYERS AMATEUR RADIO CLUB NEWS
By Earl Spencer, K4FQU

The club had so much activity in January I don't know where to start. The WCARC Dinner at the Spanish Main was great. We had a nice crowd and an excellent MC. He roasted about every one that he could think of and proved that he not only dishes it out but can take it too because we wound up roasting him a little. But he deserved it. Thanks, Louis.

The first meeting of the club at a new location turned out just fantastic with 128 people attending and we still had room for more. WD4SGU gave a demonstration of his mailbox on 2-meter RTTY and it was well received. Thanks, Mike.

Computer RTTY certainly has sprung up around Lee County. Every day you hear someone new on with a computer and all the gear and raring to go. Welcome to all the new RTTY'ers.

The new Weather Station is about set up at the Club House with a really great antenna system. You all ought to go out and see it. While you're there sign up for your stint at the controls. See Jeff, WB2OUK, if you want to help out.

We are busy with all kinds of events coming up. First and next is the Pageant of Light Parade, followed by the FMARC Hamfest on March thv 3rd (everyone mark your calendar); then the Power Boat Races are coming soon, followed by our annual Picnic and we are working on Field Day already. So we are busy and having a good time. Also KA4RWV is busy at the Southwest Fla. Fair with an amateur radio booth.

As I write this I am thinking about the trip to Miami for the Hamfest tomorrow. So it will be history when you read this. So will the City of Palms Hamfest. Remember March the 3rd at the Ramada Inn on West First Street. See you all there.

FLORIDORA YLS
By Cathy Soehl, W4BAV/ARNS

W4UF-Dot has sent in her resignation to the Floridoras, as she can no longer participate, due to moving into a condo and unable to have her ham gear. Good luck, Dot, we'll miss you.

WB4AUR-Thelma had an operation on her right hand Dec. 22nd and in a cast 2 months. It was very painful condition, similar to a pinched nerve. Later must have the other hand operated on.

WB4YTL-"Tommie" says W4GXZ-Blanche's recipe, prompted her to get a Kumquat tree; had good luck with fruit and hopes it survived the freeze. Glad you are back on the air, Tommie, and doing a good job as Net Control; good luck and keep up the good work.

W4PFJ-Adis shared in OM, W4PFQ-Bob's birthday when Daughter called to wish him "Happy Birthday" and then told him they would be Grandparents again soon. Congrats on both counts.

K4HSC-Meg puts in a good signal on "Floridora 40s"; your linear does a good job, Meg.

W4HRC-Little Bo reports Sister-Marie had an attack paralyzing left side of her face, due to palsy. Hope you are better, Marie.

WA4DLS-Cindy sent greetings to W4BAV-Cathy, via W4MAK-Henry; Cindy monitors 2-meter frequency 147.15.

W4EHN-Betty enjoying a visit from Son, W9HAT-John, from Wisc.

WI4K-Carol requests anyone interested in a YLRL office for 1985, please contact her. Doing a good job as 4th DC, Carol.

W4GAN-Melba good to hear you on Net. Hope the wild azaleas in Tallahassee will come back after the freeze. Welcome back.

W4QBY-Dorothea received lovely box of flowers from Granddaughter in Hawaii, for Xmas.

DADE RADIO CLUB
P. O. Box 350045
Riverside Station
Miami, FL 33135
3rd Tuesday Museum of Science, 3280 S. Miami Ave., Miami, FL 33129
Sponsor of
TROPICAL HAMBOREE

MANATEE AMATEUR RADIO CLUB
By Bob Clayton, KB4EHN

Competition was keen for the club's annual "Amateur of the Year" award. Co-winners were Carolyn Osborn, WS4Z and Luther Vogel, KA4MRQ.

Claude McGavic, Director, Port Manatee, was guest speaker at our January meeting. The 800-acre, county-owned facility is fourth largest of Florida's 23 deep-water ports. It handles more than five million tons of cargo each year. A 300-foot radio tower provides marine communications for ship traffic along the west coast of Florida.

CLEARWATER AMATEUR RADIO SOCIETY
By Eli Nannis, K4JMH

The membership was surprised at the Jan. 12th meeting with a new CARS Newsletter called "The Clearwater Connection." It is a real professional job being put out by Jani, KO4J. It will contain a message from the President, the Secretary's minutes and many other items of interest. There will also be a classified section; a free service for members who would like to sell, trade or buy radio equipment.

The members are asked to send in articles of interest to the club members. The attendance at the January meeting was 42 members and guests. The radio officer, K04J, reported that the 220 repeater is normal but the 2 meter repeater on 145.43 is not operating due to a broken antenna. It was reported that the St. Petersburg Radio Club now has a net on 21.380 Khz on tuesdays at 8:30 P.M. and it was suggested that CARS start a net on the same frequency and time on Wednesdays. $835.00 was raised for the Sheriff's Boys Ranch at the Suncoast convention at Clearwater on Nov. 26, 27, 1983.

The proposed amendments to our Constitution and By-Laws had its first reading. These amendments are listed in the new CARS newsletter. A second reading will be held in February and will be voted on. The audit of our treasury has been completed with everything in order and transferred to the new Treasurer Jim Homan, W4DPH. Our President Ted, ND4K, advised that he would like to create interest in the club activities and to improve our capabilities. He appointed Alan, WA4ATF in charge of Field Day activities and Ralph, W0DNO as club training officer. Dottie, KA4CYA advised the three radio clubs, CARS, SPARC and METRO, will hold a party at the Brown Derby Restaurant on March 3, 1984. This will be the first time that all three radio clubs in this area will have a combined party. The program at the next meeting on February 9th will be a talk entitled "The Air Traffic Control Story" by Eli Nannis, K4JMH, a former FAA section chief.

METROPOLITAN REPEATER ASSOCIATION
By Eli Nannis, K4JMH

Our club held its meeting on Jan. 26 with a big attendance of 64 members and guests. President Dayle, W4MUV was in the hospital and reported in to the meeting via the club repeater 96/36. He is getting along quite well and should be home soon. Bob, W4EGM, the Vice President ran the meeting. The membership committee reported that three members were reinstated and they were WB4NDQ, WB4LGT and W4JOU. The following amateurs were voted in as new members, K5IHH, N4JHT, N3BI, WB3AWH, KB4CPX, KC4ZK, WA4ROX, K4EPH, WA2KPP, K2BET, ND4K, and KF4OF. That was the most persons ever voted in at one time and they are indeed welcome.

It was advised that the 3 local radio clubs, Metropolitan Repeater Association, Clearwater Amateur Radio Society and the St. Petersburg amateur Club will hold a combine party and dinner at the Brown Derby Restaurant on March 3rd. The Florida Gulf Coast Amateur Radio Council reported that the next Suncoast ARRL convention will be held on November 24, 25 at the Sheraton Sand Key Resort in Clearwater. The officers of the Council for 1984 are William Fischer K4IJY, 1st Vice President Robert Browning K4HHH, 2nd Vice President Walter Rike KE8O, Secretary Charlotte Frazier WB4PEL and Treasurer Jim Homan W4DPH. The members were advised that there would be a teleconference radio net on 147.00 on Jan. 31st in Florida with the Volunteer examiner program to be discussed. Bob Kates, Secretary, passed out a form to be filled out by the members requesting what kind of programs that they would be interested in for the club meetings.

Al Marcott WB4BFG, the Social Chairman reported that he is planning a hayride in March, a party in April, a picnic in May, a canoe party in June and a dinner boat party in July. Al also advised that there will be a bus available to take any hams to the Orlando Hamfest on March 10th. Nolan W4VXF and Manny KA4DYI both had birthdays and were greeted with a thundering applause. Nolan W4VXF gave a comprehensive report on the FCC Volunteer Examiner program. Bob N4DKN then gave an excellent report on the RC-850 Controller now operating the club repeater. Each member was given an 8-page instruction sheet on the operation of the Controller.

This is the most amazing piece of electronic equipment to come on the market in the past few years. February issue of QST has a 2-page description of this unit and you will be surprised the number of operations it can perform. It is truly the highest state of the art. Jani, KO4J has done a magnificent job in programming the controller.

HOLLYWOOD AMATEUR RADIO CLUB, INC.
By Marie Snow, WA4KXQ

The Hollywood Amateur Radio Club Auction has been rescheduled for the March 19th meeting, 8 p.m., at the South satellite Court House, 3550 Hollywood Blvd., Hollywood.

The February 20 meeting featured Sue Spahn, WD4CHG, who presented a most interesting demonstration of telecommunications via the computer.

The next HARC Breakfast will be on Sunday, March 25th, at 9 a.m. at McDonald's Restaurant, 108 N. 28th Ave., Hollywood. HARC breakfasts are both social and informative. They are planned to afford our members an additional opportunity for good "hamship" and chit-chat. No reservations are required.

HARC members are presently working a club DX Contest, all modes and band for which a capability exists. Contest began on January 1st and terminates March 31st, 1984. Club trophies will be awarded to winners.

SHARK TALES
By Kay Anderson, W8DUV

The first meeting of 1984 was held at theTeco Leisure House in Ruskin, Jan. 25th. Items on the agenda were: alternate meeting room; club incorporation; club QSL cards; license upgrade classes; and sale of a Heath station which had been donated to the club.

With so much business, there was no time left for a program. Next month the club will adopt a set of By-Laws. Meetings are held the last Wednesday of each month, 8 p.m. at the Teco Leisure House. 1984 dues are due.

BROWARD AMATEUR RADIO CLUB
By Betts Barry, WA4MJI

January club meeting had a fine attendance. Apparently everyone recovered from their holiday festivities. It was a happy time with positive things happening. The group who supported Robin Terrill, N4HHP, at the benefit for Jesse Jesperson were given club certificates. We were pleased to hear that Bob Whitney, WT4H, has accepted the chairmanship of Club Station operation, as well as that of the Broward Club Award program. Eric Gawain, K7LCA, gave an up-date report on emergency operations. Bill Lewis, WD4NEA, gave his first report as Hamfest Chairman with enthusiasm and support from the Club.

On May 5th, plan to attend a barbecue at C.B. Smith Park, Pavilion No. 13, for members

CLUB QSY P. 8

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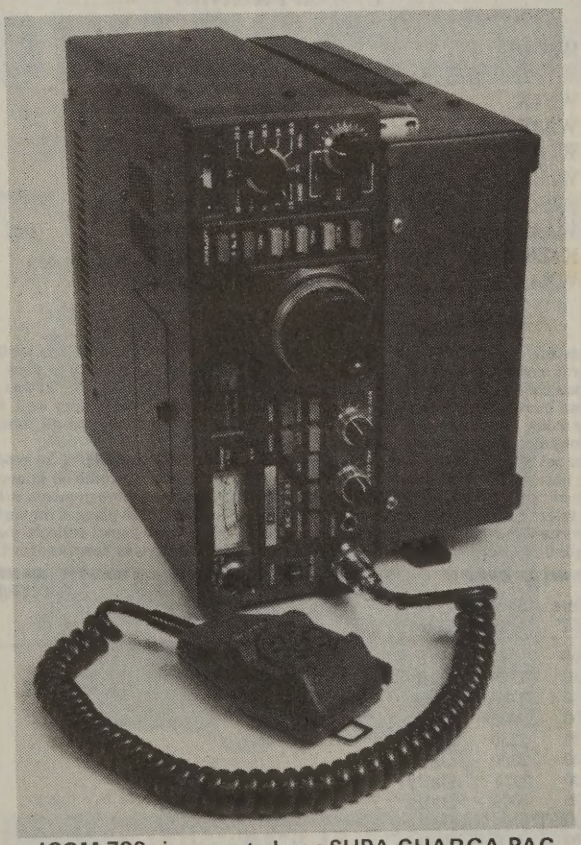
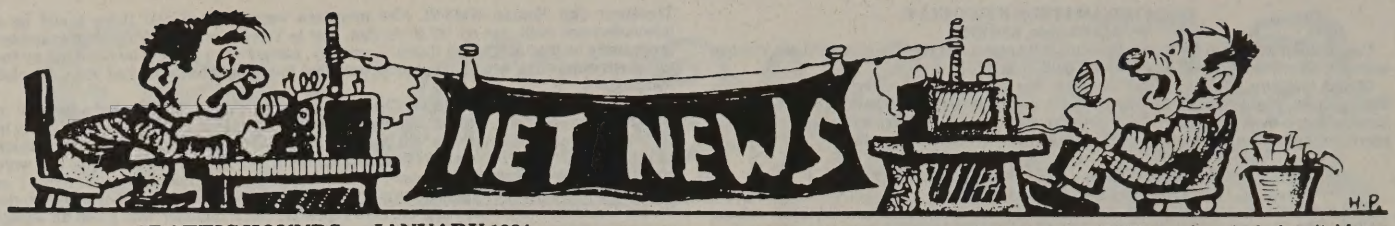


ICOM 730 rig mounted on a SUPA-CHARGA-PAC



TRAFFIC HOUNDS — JANUARY 1984

By K4ZK

NET	QNI	AVG.	QTC	AVG.	SESSIONS	MANAGER
FMTN	1431	46.2	683	22.0	31	WB4AID
QFN	1077	17.4	634	10.2	62	WB4GHU
GN	482	15.5	337	10.9	31	KF4U
NFPN	1613	52.0	247	8.0	31	WF4Y
TPTN	904	29.2	243	7.8	31	KF4YE
SWFTN	1389	53.3	203	7.8	26	K4JLL
SVTN	532	17.2	178	5.7	31	KB4LB
FPTN	1192	38.5	157	5.1	31	WB4WYG
FAST	657	10.6	126	2.0	62	WD4HHH
SEFTN	778	25.1	122	3.9	31	KF4RL
FPON	640	20.6	118	3.8	31	WB4GCK
FMSN	470	15.2	70	2.3	31	AA4FG
LSTTN	1128	36.4	62	2.0	31	NQ4P
GCVTN	786	25.3	52	1.7	31	NY4E
PEN	294	11.8	47	1.9	25	W4GPL
SPARC	1357	43.7	28	.9	31	K5IHH
VEN	401	12.9	43	1.4	31	W4LDY
CFRN	72	2.6	25	.9	28	WB4GHU
LCEN	130	32.5	13	3.2	4	WB2OUK
ENMC	50	10.0	9	1.8	5	K4ZK
DEN	88	22.0	6	1.5	4	KA4GUS
PRVAN	30	6.0	6	1.2	5	K4VSN
PBTN	290	15.3	5	.3	19	K4FHW
BEN	97	24.3	0	0.0	4	K7LCA

TOP TWENTY TRAFFICERS

By WA4PFK & N4UF

1.	W3CUL	3456	11.	WB4AID	181
2.	W3VR	762	12.	WA4EYU	179
3.	WF4X	562	13.	KB9LT	170
4.	WA4PFK	364	14.	WB4ADL	138
5.	WD4IIO	352	15.	WD4HBP	134
6.	WF4Y	312	16.	KE4O	133
7.	K4SCL	268	17.	KY4U	133
8.	WA4EIC	264	18.	WB4WYG	127
9.	K4ZK	218	19.	KB4LB	121
10.	WX4J	208	20.	KA4GUS	117

FLORIDA PHONE TRAFFIC NET

By Bill, WB4WYG

Don-N4ET, the usual writer for this space, who has done such an excellent job these past several months, has out-of-town visitors and is taking the opportunity to show them the Florida countryside and enjoy their company. Now then — QNI for Jan. '84 was 1192; this was an increase of 12.5% over Jan. of '83. Yes, we have been doing very well, in spite of some noisy conditions and other stations near 3940. Many thanks to all those faithful stations that have made this possible, and all this at 7 A.M.

The net has four ladies that check in quite regularly, and it certainly is an experience to hear how the tone of the net improves with their presence; so come on in and hear the voice of "Ginger" reply to the greetings. "Ginger" is making arrangements to bring into the system quite a load of traffic from a local "Fly-In" that takes place in the spring.

George-WD4FNX, has a new dipole antenna and his new signal reflects the work of installation. George missed the ladder the last ten feet on the way down and hurt his back, but was on the air in spite of some discomfort. Ken-K4BZS, has been in the hospital for an operation but has been in contact with a 2 meter rig provided by the Gainesville A.R.C., and hopes to be soon back at his home QTH. Win-WA4COR, has recently joined, so now the net has coverage in the West Palm area. Charlie-WA4EYU, is the January winner of the "Golden Cookie" award as being the 1,000 station to check in.

High QNI's for January were:

100% — WB4ADL, W4BCZ, W4BKC, W4DDW, WA4EIC, WB4EXA, WA4EYU, WD4FNX, W4FFOE, WN4IIV, WA4JDH, KA4NXF, K4SJA, W4SME, WB4TZR, WB4WYG, WB4ZVD.

95% — N4EOW, W4IAD, KD4KK.

90% — W4GUS, WA4QXT, WB4SOU, KA4TTS.

85% — K4EJW.

80% — WA4AWN, NA4F, KF4RL.

In the words of Gary-WA4HHC, start your Ham Radio day the F.P.T.N. way and meet some friendly traffic handlers on 3940.

FLORIDA MEDIUM SPEED NET

DE AA4FG

3715 KHz — 1730 EST Daily

Although traffic slowed down in January compared to December as expected, QNI has held up well with an average of 15.2. High QNI for the month was KA3NXF with 28, followed by WD4MLQ with 27. A total of 21 stations checked in 10 or more times in January.

Some NCS have tried excusing stations by groups of three or four. This probably speeds up the net a bit, which is FB. However, a station which has been off frequency handling traffic may check back in thv middle of the group being excused, not knowing this procedure is in effect. No problem, as long as NCS remembers to recognize the returning station at the appropriate time.

Net certificates have been earned in January by NA4F and NW4R.

We welcome back KB4GCZ, Dick in Key West. Also, welcome to KB4FIY, Monroe in Groveland. FMSN now has excellent state-wide coverage, needing primarily regular stations from DAB and Sarasota - Pt. Charlotte - Ft. Myers areas. We especially want Novices from anywhere!

FLORIDA MIDDAY TRAFFIC NET

By Al Suhr, WB4AID

FMTN policy has always been to allow the NCS personal freedom in conducting his net session. During the past year The Manager, WB4AID and Senior Assistant Manager, N4UF have observed an experiment conducted by W4ESH, Asst. FMTN Manager in charge of Planning, whereby the NCS instructs his participants to re-enter the net upon his invitation to do so; unless that station has not made contact (then the operator should call in at the first available pause to so inform the NCS). This system has reduced much of the clutter and confusion experienced by Net Control when stations return any time they wish, even during NCS assignment announcements. It is noted that various NCS use a different variety of this procedure, with a greater variety of unsuccessful occasions.

In order to make re-entry much more orderly, FMTN Management recommends that EACH AND EVERY FMTN NET CONTROL STATION USE THE EXACT PROCEDURE AS OUTLINED ABOVE. Remember that stations not making contact as assigned are requested to so inform NCS at once upon return to the net. ALL NCS's ARE ALSO REQUESTED TO MAKE FREQUENT CALLS FOR RETURNING STATIONS. All participants are respectfully requested to assist the Net Control in this important effort. Thank you for your cooperation in this matter.

Those stations entering FMTN with Traffic are entitled to prompt service by our REPS who will be going into NTS later. In order to accomplish this, FMTN management has asked each NCS to solicit REPS for their traffic at fifteen minutes before FMTN convenes, which is 1700Z. It may be plausible for NCS to pass early, VERY high volume traffic held by a station OR that of a station which is very short of time. These three conditions are the only ones affected by such FMTN policy and the time for this service is added to that of the regular FMTN session.

New or reinstated members during January to February 2nd: WA4RUE, Steve of West Palm Beach; N4JAQ, Andy of Ocala; W4TAH, Swede of Sarasota; N5FIY, Jean of Naranja and K4JHF, Bob of Winter Haven. Welcome Aboard! See you all on FMTN at 1700Z each day on 7247 KHz.

NORTHERN FLORIDA PHONE NET

By Jim Stewart, WF4Y

There is not much for the NFPN article this month. The Holiday traffic is over and I think everyone was taking a well deserved breather during the month of January. Hi.

We have completed one month of calling the roll by Cities rather than Counties and it has worked well. From all comments from members it is the preferred way to call the net. It has also shortened the average length of time of the net about 5 to 10 minutes.

Two of our members have recently had surgery. John, KF4RR, of DeFuniak Springs and Ken, K4BZS, of Live Oak. Our thoughts and prayers are with them and we hope they have a speedy recovery.

WINTER TRAFFIC NET SCHEDULE

CLIP & SAVE PLEASE

Time EST	Time UTC	Days	Net Name	mHz. Freq.	Net Manager
0700	1200	Daily	Florida Phone Traffic Net (FPTN)	3,940	WB4WYG
0830	1330	Daily	Gator Net (GN)	7,066	KF4U
1200	1700	Daily	Florida Midday Traffic Net (TMTN)	7,247	WB4AID
1700	2200	Daily	Tropical Phone Traffic Net (TPTN)	3,940	KF4YE
1730	2230	Daily	Florida Medium Speed CW Net	3,651	AA4FG
1800	2300	Daily	FAST Net (Early Session)	3,940	WD4HHH
1830	2330	Daily	Northern Florida Phone Net (NFPN)	3,950	WF4Y
1900	0000	Daily	QFN-The All-Fla. CW Net (Early Session)	3,651	WB4GHU
2000	0100	Daily	QFNS-Slow Speed CW Net	3,715	KA4AMC
2200	0200	Daily	QFN-The Al-Fla CW Net Late Session	3,651	WB4GHU
2230	0230	Daily	FAST Net (Late Session)	3,940	WD4HHH
0800	1300	Sat.	ARRL Information Net (AIN)	3,940	KB4T

Attendance Certificates and Section Net Certificates will be issued the first part of February and will be published in the next article in Skip.

Net statistics are as follows:

100% check-ins: WD4HBP, N4PL, K4FFM, NA4F, WD4EQB, K4AJV, W4AHI, N4EWF, N4EWB, WA4PUO, WA4PUP, WD4IUI, K4BLM, N4EOW.

90% or better: KC4ZF, WB4ADL, KF4RV, WF4Y.

70% or better: N4BKY, WB4YQP, N4IPY, W4GUJ, WX4J, KM4N, N4BOY, AH2AO, WA4NDA, WT4O, N4HRI, K4VND.

NCS's were: KF4RV 5, N4EWF 5, WX4J 5, KF4HA 2, NS4C 4, WB4YQP 3, N4PL 5.

TPTN Reps were: WB4ADL 21, W4SME 2, WX4J 2, W4GUJ 2.

FAST Net Reps were: WB4ADL 19, WB4YQP 3, KM4N 1, WX4J 4.

QFN Reps were: WA4QXT 3, NY4E 6, KB9LT 5, AA4FG 4,, KM4N 4, K4VND 3, WF4Y5, NW4R

See you on 3950. Bring Traffic!

FLORIDA ROUTING TRAFFIC GUIDE

A must in every Florida Ham shack. 5th Edition. Center fold Map of Florida showing all cities, all counties. Also, ARRL numbered Texts, CW abbreviations, Emergency Communications, Florida city abbreviations, Florida Cities listing, ICAO alphabet Info on traffic handling, Message form, Florida net listing, NTS routing guide, QN signals, 3rd party traffic restrictions, toll-free calling areas, 2 letter state abbreviations, State abbreviation and ZIP codes, ARRL Net Directory registration form, MARS "Z" signals most used, and More. 58 pages.

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GATOR NET
By Walt Grove, KF4U

7068 Khz **Daily 0830 EST, 0730 CST**

You will be welcome in Gator Net so check in with or without traffic. Stations with increased activity in January were Don WA4GYR in Indian Harbor Beach and WD4IIO in Brooksville with O.T. Regis W4ILE at the key.

Congrats to WA4GYR on graduating from FSU. Long skip was troublesome several days in January with sudden band openings ten to twenty minutes after net activation. Cy W4DVO suggested the assignment of different stations on a daily basis to obtain regular liaison coverage to other nets. A QNC to that effect brought in several volunteers and I hope to have full coverage shortly. Mel W3ML has been working on the rig and now puts a booming signal into mid Florida.

George K4JI has been doing some work on his antenna and his signal is improving as a result. Phil WF4X puts out a fine signal and his QTH is outside the skip zone for most net stations.

Traffic was off considerably during January. Must have been a let down after the holiday rush. Mae W3CUL made the 100% Club again. WA4JDH, K4JI, KB9LT and K4TH each checked in 30 times. WA4EYU and KF4U followed with 29 each and W4DVO made it 27 times. 73 and CU on GN.

FREE 1984 CALENDARS

It's that time of year again when FLORIDA SKIP offers a neat Ham Shack size, multi-colored calendar FREE to its members. This will be our 22nd year in sending out free calendars. Needless to say, we have given away thousands of calendars during this time of period. It measures 3½ by 5¾ inches. It has on each page (month), last as well as next month in large bold numbers. Easy to read at a distance. These calendars cost SKIP about 26 cents each, but they are free to all members, however; if you wish you can send a small donation. To get your free calendar, send a SASE (Self Addressed Stamped Envelope) to Calendar, FLORIDA SKIP, P.O. Box 501, Miami Springs, FL 33266. Thank you & SEASONS GREETINGS! I

FAMILY CALLS

The Leisys of Hialeah, Florida: W4OOH, Dick, Extra; N4FOG, Phyllis, General; WB7VTW, Craig, General in CT.; WD4JKL, Bill, Novice in GA. Needless to say Amateur Radio cuts down on the Leisy's phone bills..... THE Jerry Combs family, Avon Park: Jerry, W4BMT ex W2HTR, KZ5PC; Angie, WB4GUE ex W4DSX, KZ5AC; Daughter Carde Moscoso, W4DTC and KZ5GQ.

Do we have any others? Send them in please.....AC

ROY NEAL K6DUE TO SPEAK

Roy Neal will be guest speaker at Williamson Aud. in the University of Florida (Gainesville) on March 7, 1984 at 8 PM. His topic, Space Communications and Space Walks. Everyone is welcome.

This program is sponsered by the Dept. of Physics as part of the Frontiers of Science, Lecture series. The program is free and open to the public.

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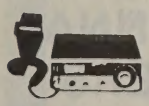

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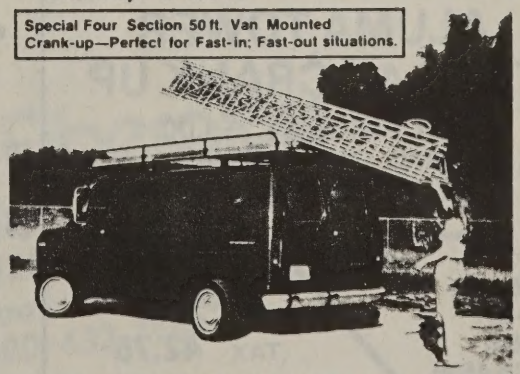

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and guests. There will be an 8-piece Country and Western band to set our toes tapping. Please bring a covered dish, and a dollar per person for admission to the park.

Advance dates to keep in mind — the Hall of Fame Run from Pier 66 to Hillsboro Inlet on Sat., Feb. 11th at 7 A.M., and the March of Dimes Walk on Sat., Mar. 3rd. Cy, W4MAQ, announces a Free Flee at the Motorola parking lot on Mar. 17th, St. Patrick's Day. Do you suppose he'll wear green and white striped pants?

The high point of the meeting was a demonstration of the new repeater controller, the RC-850, by Brian Bailey, WB4MMP, who will have to teach a club course so members can learn to use the many functions. The February issue of QST carries a glowing report of the 850 in the Product Review section. Read it — and be completely awed.

GULF COAST A.R.C.
By Harry Matus, N4DWY

Ninety members attended the January 23rd meeting at the Colonial Hills Civic Assn. to greet the newly elected slate of Officers, as follows: President Dan Jenkins, WB4TZR; Vice Pres. Robert Wargo, KB8YO; Secretary Walt Allard, NE4E; Treasurer Roy Arch, WA4MOJ. Ed Garwood, N4AYH, has agreed to serve as Editor of the Club's monthly newspaper.

Trustee for the Club 2-meter repeater is Art Kelly, KT4Q. The repeater is operating on 146.070/670 and is an open repeater. An autopatch is availalbe on this repeater. One of our members, Fred Marchman, AA4FG, is conducting a Novice class at the Hudson High School, Cobra Way, Hudson, on Mondays from 7-9 P.M. until April 23rd. Additional information concerning this class may be obtained by phoning Fred at 849-1224. Bill Bready, NY4E, is assisting Fred (phone 842-4982). 587 Xmas messages were picked up by club members at the Gulfview Mall, Port Richey, and were efficiently transmitted to the addressees. The management of the Mall has requested that the Club repeat this operation for Mother's Day.

At the January meeting, Jack Linden, N4DQD, RACES Officer, conducted a very vivid and interesting review of the disaster caused by Hurricane Aleta in the Galveston area. This presentation included slides showing the strength and devastation occasioned by the hurricane.

All hams in the West Pasco area are invited to attend the Club's meetings, which are held every 4th Monday of the month at the Colonial Hills Civic Assn.

ST. PETERSBURG AMATEUR RADIO CLUB
By Cathy Soehl, W4BAV/ARNS

WB4UFO-Lynne, YF of WA4QGV-Bud, is home recuperating from recent surgery. Take it easy, Lynne, not so much work on "Funny Farm." Glad the ordeal is over and you will be able to drive soon.

WB4LXH-Ken and KA4CRS-Betty congratulations on "tying the knot"; many years of married bliss. Good luck on the addition to house.

WA4ZVO-Phil, Pres. SPARC, calling for all possible to meet on 21380 kHz, Tuesdays at 8:30 P.M. to create activity on HF band.

KA4OIT-Nicky will not forget Friday, Jan. 13th as their furnace quit that unlucky cold day.

W4MUV-Dayle was hospitalized with pneumonia. When improved, gave the nurses a hard time. Met his "Waterloo" when he pinched one and she retaliated by pouring a pitcher of water on his ICOM, so you may hear a gurgle as he transmits. Hi!

K4EPH-Mac and K4ISS-George shared a birthday Jan. 29th. Congrats.

KA4BBA-Eldean went to a wedding and caught the brides's bouquet.

WB4ZPU-Alice doing nicely after operation for cataract implant. K4KE-Dave enjoying his new ICOM-751. Good luck to both.

WD4ONZ-Dick in St. Anthony's Hospital with a heart attack; out of ICU and home recuperating.

K4ISS-George's Brother, KB8MX-Harry left Detroit 7°, 2-1/2" snow when he came down for a visit, so he enjoyed Florida.

March 3rd, SPARC, METRO and CARS, three radio clubs joined for a dinner at the Brown Derby, Maderia Beach, celebrating St. Patty's Day. Good time had by all.

A.R.E.S. WEST PASCO COUNTY
By Harry Matus, N4DWY

As Emergency Coordinator for the Amateur Radio Emergency Service (ARES) for West Pasco County, I would like to invite all hams in the area from Land-O-Lakes, Gowers Corners, to the south Hernando County line and thence west to the Gulf to participate in our ARES Net. The net meets on Monday evenings (except the 4th Monday of each month) at 7 P.M., local time, on 146.070/670 (WA4GDN repeater).

Hams checking into this net have available to them the Official Bulletins as published by ARRL. We are anxious to build up participation on this net, so that we can meet the objectives laid down by ARRL to establish an emergency communications plan.

Assisting me in this most important work are: Assistant Emergency Coordinator, Dan Jenkins, WB4TZR (Ph.: 842-1877) and Official Bulletin Station, Art Kelly, KT4Q (Ph.: 848-1878), approved by ARRL.

If you live in the West Pasco County area and have been thinking of joining an ARES Net, I invite you again to join us now. should a disaster strike in our area, your training and knowledge could mitigate its effect on your community and on your own family.

Contact:
Harry Matus, N4DWY,
Emergency Coordinator for West Pasco
149 West Oak Ridge Ave.
New Port Rickey, FL 33552
Ph.: 813-848-0257 (home); 868-6934 (office)

FELLOWSHIP AMATEUR RADIO CLUB, INC.
By Dee Knox, KA4VAX

At this writing, I can report that the club's new officers were installed at the January meeting and we're hoping for a very good year. The membership approved the purchase of a new control board for the club's repeater and it's hoped that it will be installed in the very near future.

Our February meeting was an Antenna Workshop, moderated by K4GE, Bill Kauffman.

According to our Program Chairman, Helen Draher, WK4H, our March 22 meeting will feature a speaker from Bell South and a program entitled Fiber Optics. We hope many of our members will attend. Naturally, visitors are welcome, too.

By the time this article goes to press, it is hoped that our Duke, Harry Dukas, KA4BJE will have been released from North Shore Hospital and well on the way to recovery. We were all greatly saddened by his illness and incapacity.

According to a quick tally at the end of the Hamboree, Norm Ward, K4RBR, reported that the club made in excess of $200. from the swap table. If profits were measured by enjoyment I'm sure by the beaming faces of those who attended we would see figures in the tens of thousands!

Next big project coming up will be Field Day in June. All volunteers will be accepted. KI4CA, Grant and KB4DCF, Alex are the co-chairmen to be contacted.

Another reminder for dues! 1984 dues are due! Unless your dues are paid by March 1st, your name and call will not appear in our professionally typeset and printed club roster. Surely no member would welcome so painful a fate!

Help make Florida popular on May 5th and 6th. Plan now to operate the Florida QSO Party from a rare county in your vicinity. Contact N4UF or W4PTT for more details.

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Dear Andy:
I always enjoy reading the "Skip."
I especially like the educational aspects of the paper.
For example, on page 16, there is an ad for a new model ICOM 751. The picture appears to be upside down, however, it is really the newest model which I learned is designed to be used with the inverted ground mounted vertical! Hi! Hi! — Nobody's Perfect — keep up the FB. 73, Skip, Andy!

Barry G. Yoder, W8SJO
4309 - 3rd Ave., N.W.
Bradenton, FL 33529

Dear Andy,
A group of amateurs who have been using packet radio techniques for the past year have formed an organization to promote the mode to the amateur community. The Florida Amateur Digital Communications Association (FADCA) will present seminars and demonstrations about packet radio to interested clubs and organizations. A one hour videotape is also available for showing at club meetings.
The first seminar and demonstration was held in Tampa on Dec. 7th. Twenty-five people attended the presentation which consisted of the videotape giving the background and technical description of packet radio, a question and answer period, and a demonstration of packet equipment in operation. Other seminars are tentatively scheduled for Avon Park, Altamonte Springs, Orlando, Largo, Brooksville and perhaps the Miami hamfest if arrangements can be made in time.
For information about FADCA, packet radio, or to arrange a presentation contact me at the above address. Telephone (813) 689-3355 after 7 P.M. or on weekends. Packet activity may be heard on 147.465 simplex along either coast.
73,

Gwyn Reedy, W1BEL
812 Childers Loop
Brandon, FL 33511

Dear Andy,
I'll bet you can help me. I'm trying to find a copy of the Florida Statute and Number, that allows radio amateurs permission to possess receiving equipment, like scanners, capable of receiving law enforcement frequencies in their vehicles. I seem to remember that "Fla. Skip" published the notice when the victory was won (about 2 years ago?).
I'm hoping you can help me win the argument I got into when I told somebody it was illegal otherwise. Exact wording would be great.
Thanks in advance, and continue to publish your fine magazine which I devour cover-to-cover, each month.

Sincerely,
Pete Varounis, KB4AXD
2628 Newton Ave.
Ft. Myers, FL 33901

(ED. NOTE: I remember the article but don't have time to search for it. Can anyone help Pete with this?)

SCHEMATICS AVAILABLE

I have the following schematics and operating manuals that I would like to give to someone who can use them. They would be FREE — but proper postage remitted would be appreciated!!

SWAN No. 350 — Opertion and maintenance manual.
SBE - No. SB-34 - S.S. Transceiver - Operation and maintenance manuals.
HALLICRAFTERS No. SR-160 Transceiver — Operation and Maintenance manuals.
CUSHCRAFT — "Ringo" antennas, Assembly instructions for No. AR-2, AR-6, AR-450, AR-25, AR-220.
AUDIO-VOX No. FMC-IC-FM Converter Service Book.
RTTY — Audio Frequency Switching Keyer — (AFSKY) schematic.
NS-CQ-Automatic CQ'er for RTTY - schematic.
GLOBE SIDEBANDER - Model DSB-100 - schematic only.
"Command" Receiver — (No Model No.) - schematic only.
HEATH - Modification schematic of Heath HP-10 for use with Collins KWM series.
HEATH - No. IT-18-IN circuit/out of circuit Transistor Tester - (Assembly manual).
HEATH - Model V-5-A Vacuum Tube Voltmeter.
HEATH No. HD-1274-Outlet Box-(12 socket).
HEATH No. HD-1426 Relative Field Strength Meter-Manual.
HEATH - SB-401 — Transmitter, Schematic only.
HEATH - No. GH-12-A Hand Held Microphone.
U.S. TELEVISION CO. - Model TVFM-Sweep Generator.
REGENCY - Model HR-212-2-mtr. Transceiver (1973 model).

This is quite a list — but if you wish to print it, I am willing to go to the trouble of mailing them out to someone who might need same!!!

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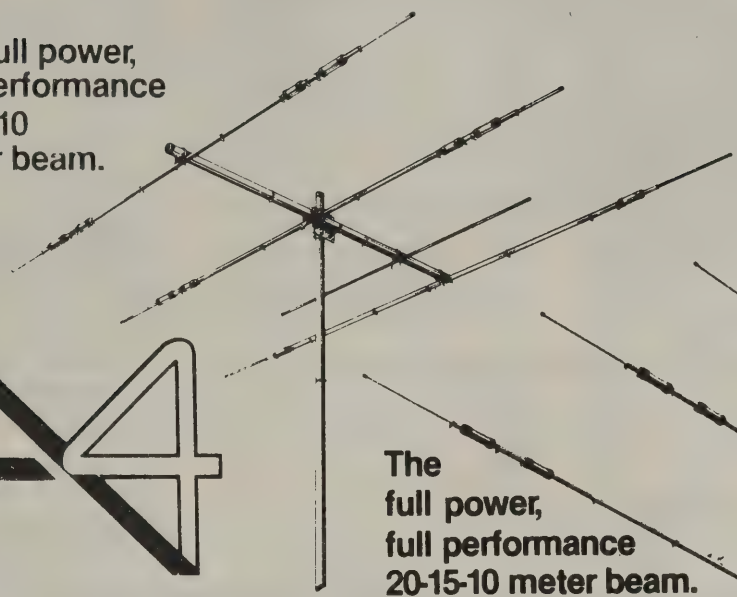

A4

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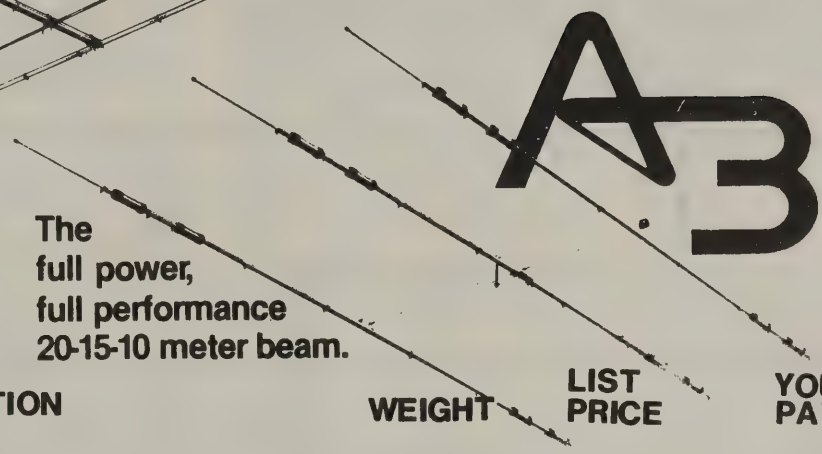

A3

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A3	14,21,28 MHz 3 element	29	299.95	219.00
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ARX-2B	134-164 Ringo Ranger II	4	49.95	38.00
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ARX-450	435-470 Ringo Ranger	3	39.95	30.00
ARX-450B	435-470 Ringo Ranger II	4	49.00	38.00
A147-4	146-148 MHz 4 element	3	36.95	28.00
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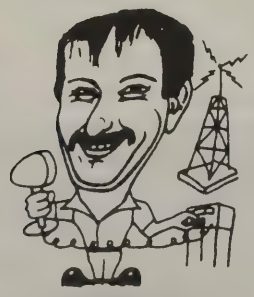

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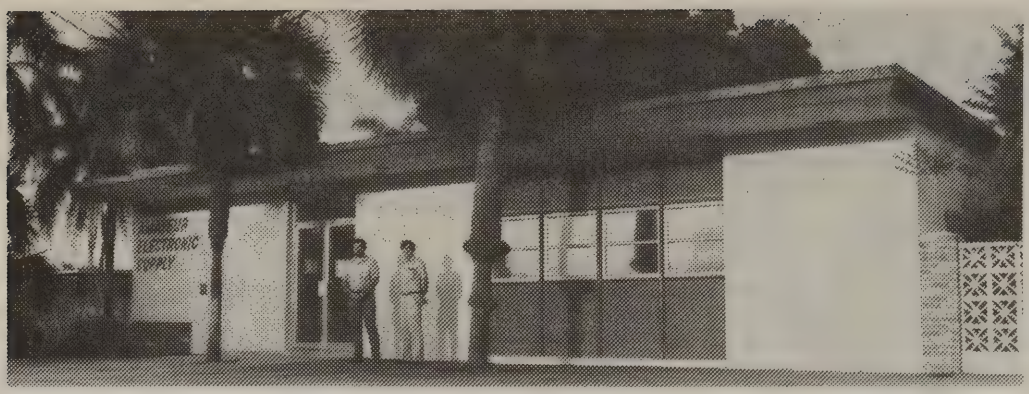

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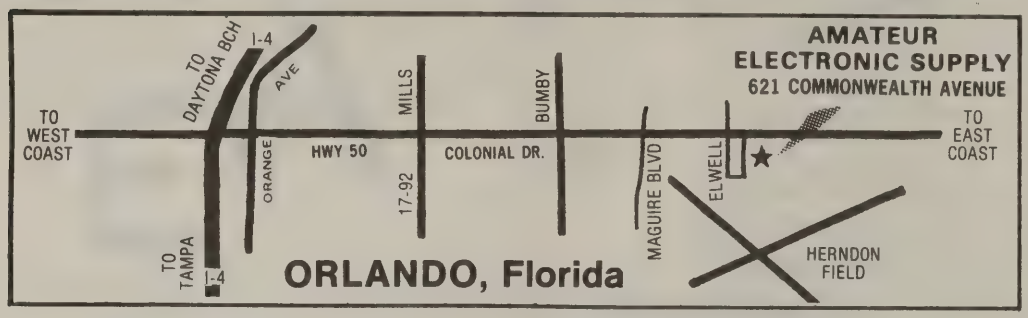

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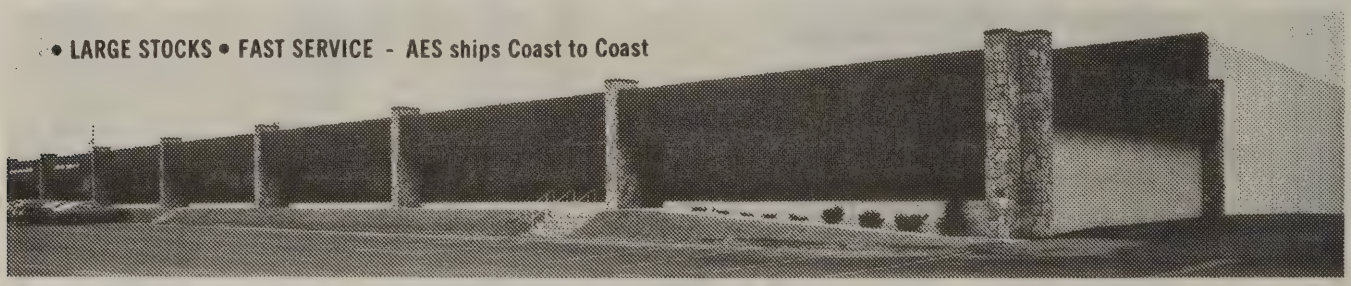

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QCWA STATE NEWS

QCWA HQ received a gift of $5,000.00 to the Memorial Fund from Mrs. Robert S. Cresap. It was issued in the name of her husband Robert, W9LRI, who passed away in June 1983. HQ advised all members to check the address label, the first line at the end of the 2 number digit indicates the first year of licensing. If you do not agree with this number advise HQ with proof of the correct number. In reporting silent keys, include the full name, call, QCWA number and QTH. Date of death and person making the report are also necessary. Likewide chapter election results should always include the full name, call, and address and QTH of the successful candidate and what office he holds.

The 50 year continuously licensed golden award is available again upon proof of eligibility. HQ would like input from chapter members on encouraging new memberships, maintaining interest in the chapters, program ideas and also HQ would like a copy of the chapters' Constitution and By-Laws. All this information would be put into a chapter manual.

The QCWA election ballots will appear in the summer QCWA News. Let's all make a resolution to vote at the next QCWA election. The QCWA State net on Sunday is going along very well with more than 40 checkins each week. The net operates every Sunday at 12:30 P.M. on 7253 Khz and Keith, G3DKS, is the new net manager.

CITRUS CHAPTER: The chapter held its Jan. 21st meeting at Duff's Restaurant and we had a wonderful start of the New Year meeting. It was a rainy cold day and so the attendance was down to 35. We mourn the death of Clifton Yarbrough, W4CFA. Cliff died about the same time we had our Christmas party. He was a charter member of our chapter and he and Sarah turned out for many meetings. A donation in his name is being made to the QCWA Memorial Fund. Chuck Watters, W4RHE, was voted in as a honorary member of our chapter. Chuck has been a member of our chapter for some years and this is in recognition of his service to our Country in maintaining communications with Iran during the past troubles with the hostage situation. Bob Mack, K4JET, gave us a description of his early days in the radio game. He received his first call in 1933. Our visitor Herman Kramer gave us a fine demonstration of the old time spark gap radios. He had 3 units all working to bring back memories. Herman is 68 and expects to bring some additional equipment in for a show.

—Reported by Bob Sutter, W3SOB

EVERGLADES CHAPTER: The December meeting was held on December 7th at the Sweden House in Fort Lauderdale. There was 51 members and guests present. Our guests included Fred, W1DDK from Worcester, Mass. and W4GPG now living in Boynton Beach. A very beautiful hanging plant was donated by our horticulturist member, Benji, WU4O, and was won in a raffle by one of the ladies present. It was voted into our by-laws allowing a wife of a member who is also a qualified QCWA member in her own right to become a member of the chapter with no further payment of dues. The following member has been designated to become net control on the Sunday QCWA net which operates on 7253 Khz at 12:30 P.M.; Feb. 5th Tom Banks, KB4AN, Feb. 12th, Ted Stern, K4YY; Feb. 19th, Dave Talley, W2PF, and Feb. 26th, Floyd Lindsey, N4FL. Mr. Reeves, store manager of the Heathkit agency in Plantation, gave a talk and demonstrated some of the new Heathkit equipment. He was very knowledgeable and his demo was very interesting. We are now preparing a 1984 Roster of the members.

—Reported by Gerry Martin, K4DI

GATOR CHAPTER: At our January meeting we had a fine attendance of 77 members and guests. There are a number of members who did not receive the Winter edition of the QCWA News. They were advised to contact HQ for a copy. I finally received a copy via first class mail. Our guests were WA4JDH and Bob White K4QGC. Lou Weber, K4HWS was absent as he was in Tampa being appointed by the Potentate as an Ambassador in the Shrine Egypt Temple. Lou was also honored by the Clearwater Amateur Radio Society with a plaque for services rendered as Treasurer for 9 years. Our guest speaker was Mrs. Dolores Mason of Hospice Care. Hospice provides care for the terminally ill patients and their families. It is a very worthy charity. Hal Bates, W4OIN, and bud Waite, W2ZK, are home from the hospital and we all hope that they will become well again. One of our members, Dan Whipkey, N3DN, has an article in the January issue of QST entitled "A Keyboard Keyer and Code Practice System". He will give us a demonstration of this unit at a future meeting. The program at our February 4th meeting will be put on by John Smith, W4ACG of the Antique Wireless Assn. entitled "70 Years of Vacuum Tubes". Jim Gordon, W4PTJ, won the half and half and he advised he would donate the money to the QCWA Memorial Fund. A Board Meeting was held following the meeting to discuss the possibility of sponsoring the 1985 QCWA National Conference. the Pelican chapter will be asked to help out in running this event. President Paul, W1DLP appointed a committee of Ed, W4BUB, Lou, K4HWS, Blanche, W4GXZ, and Eli, K4JMH as temporary Chairman.

—Reported by Eli Nannis, K4JMH

CENTRAL FLORIDA CHAPTER: We express heartfelt sympathy to W4SVB on the loss of his beloved wife, Peg, and to W8TKR on the passing of his mother. The December meeting was well attended and everyone was encouraged to bring in at least one new member during 1984. If you don't already, try to call in on the 7243 Khz net at 10 a.m. local time each Saturday.Also on 21380 Khz at 9 a.m. local time each Thursday to visit with the German Chapter members. K4FEI now has two exciters and two linears to assure being on the air!! W4YRK has a 30' aluminum tower for sale . . . his winnings at the Vero Beach Hamfest. KD4ZY and XYL are still on the go . . . Bill needs a HF mobile rig so he can check in on 14245 each noon to find out what's going on back home, hi. K4UY has the honor of being our member with the longest time as a licensed ham . . . congrats and best wishes for many more years on the air. W2HGV and W4JM are having to do maintenance on their Quad antennas . . . wouldn't yagi tribanders be the answer?! W4HS is recovering from a fall but that doesn't keep him off the air . . . sure wish some of the gang in Zephyrhills could bring him to the monthly meetings . . . they are held at THE SIRLOIN FAMILY STEAKHOUSE, 3105 U.S. Highway 98 N., just south of I-4. The time is 11:45 a.m. and the date is the second Saturday of each month. Everyone is welcome, so come and bring a friend. K9HTJ likes living in Ft. Meade but it gets expensive commuting to Lakeland for the ham meetings! W9HOH is still seeking the ideal QTH to combine ham operation with mobile home ownership. VE3BFJ loves his new TS-430 but finds that SWR now means something in getting output power! N4GZX hopes to pass his exam for a higher class license in Feb., hope youmade it Dick. Is that really a new Cadillac you are driving K4AVP?? W4IMF and XYL look great after returning for the winter season . . . how was Indiana farming this year? W8UCG and W8USC are with us for another season; better weather than Muskegon fellows! W4OFT and XYL are still dedicating much time to volunteer work at Lakeland Regional Hospital . . . wonderful dedication. W4LHP finds his golf game improves as the weather does . . . also hopes to have a beam antenna by next fall. Hey N4NB, we could use your signal to check into our nets from Auburndale. W4NY likes his new QTH and the way his new antenna farm is working.

—Reported by Jim Gundry, W4JM

More tha $100. of amateur radio text-books were donated to the Martin County Public Library recently. The 19 books & 1 cassette learning tape cover both technical as well as the operational aspects. L to R: H. Anderson (call not given) Assocation Pres, Steve Mayo (call not given) and Leroy Hennings, library Director. Photo by Darcy Conant.

SPACEPORT CHAPTER: Our monthly meeting was held on Jan. 21st. Even 'tho the weather was bad, 42 members and guests were present. Carl, AA4MI was in the hospital for a back operation and we all wish him well. Guy, W4HVU was appointed official photographer and Don, N4IN appointed hospitality chairman. It was noted that this was the tenth anniversary of our chapter and two of the original founders were present, Bill K4TF and Walter K4PQ. Some of the other old timers were unable to make the meeting. Guy Blencoe, W4HVU presented President Bill Willmot, K4TF, with a new gavel which his friend John Ritner had turned out for him and hand-painted so Bill can now really rap for order. Glen, W4BFQ is now due for his 50 year certificate. Only one member, Sylvester, K4BNL, received a QSL card from Dr. Owen Garriot.

—Reported by Charlie, K4KCN

PELICAN CHAPTER: Kicking off swearing-in ceremonies at the Sea Ketch Restaurant on Jan. 18th for the newly elected officers and directors was Lew Sieck, K4NE, the QCWA Man of the Year for 1980. High-lights of the luncheon as visitors were Paul Turner, W1DLP, President of Gator and Eli Nannis, K4JMH, Secretary of Gator. These Officers reported on the possibility of hosting the QCWA National Conference (Convention) in this area in 1985. They felt that such a conference could be successfully accomplished if full cooperation were obtainable from the Gulf Coast, Pelican and Gator Chapters. A final decision will be made after the three chapters have an opportunity to poll its membership Raffle ticket winners were Fred W4BN, Jack W4PLW and Ruth XYL of WA1HCK. The Florida State QCWA net on Sundays during the month of January, net control stations were Blanche W4GXZ, Lew K4NE, Art W4BK, Wes W4COW. W4GXZ ran the net twice. Frank Ambrose, W4SFW an aviation pioneer and most recently the Man of the Year of the OX-5 Aviation Pioneers became a silent key on Jan. 23rd. Frank became well known in aviation circles when he trained over 30,000 A and E mechanics during the early period of WW II. The New Officers of our chapter are Jack Whitley W4CZS, President, Blanche Randles W4GXZ, Vice Pres., Art Monsees W4BK, Secretary, Phil Stern W4ZVO, Treasurer and Directors are Hal Grigsby AA4MF, Reg Iversen K4QZ, Buck Lewis W4BV, Jack Mandel W4PLW and Herm Witman K4EGM.

—Reported by Art Monsees, W4BK

THE HIGHLANDS COUNTY CHAPTER 121: Met at the Ranch Haus Restaurant in Avon Park at 11:30 a.m. on Feb. 1st. Twenty-eight members and guests were present, of whom six were from the Central Florida chapter 106. A QCWA decal, door prize, was won by Rosa Lindsey, YF of W4IMF of Plant City, a member of Central Florida. W8OKW Sel Urband, President, introduced a Representative of United Telephone of Florida, who projected a film as the program. It was not propaganda and enjoyed by the group. A vote was taken as to the location of the March meeting and the Ranch Haus won the approval of those present for the first Wednesday in March at 11:30 a.m.

Bud Buchheit, W8NBU introduced his guest, Charlotte Bigelow, a very pretty lady, who will become Mrs. Buchheit at the Lake Placid Methodist Church on February 3rd at 7:30 p.m. The members were invited to attend the ceremony. We are all happy for Bud who tells us she will become another Amateur YF.

—Reported by Phil McMasters, W4BCZ, Sec./Treas.

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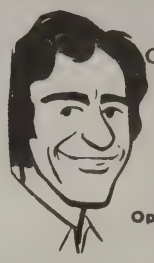

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SO YOU WANT TO BECOME A NET CONTROL STATION¿

I check in to an average of 180 Florida nets a month and it gives me an opportunity to hear a lot of Net Control Stations at work. Net Control Stations are hard to find, they give a lot of their time to net operations and they should be treated with respect. Most are good operators and do a good job. Some should not be Net Control Stations.

I run about 12 sessions a month as a Net Control Station and this does not make me an expert nor do I profess to be one. I make a lot of mistakes, correct these mistakes as I operate and am continually trying to improve my operations as a Net Control Station and as an Amateur Radio Operator in general.

The following are some things you should and should not do as a Net Control Station and some things you should know as a Net Control Station. I hope they will make you a better operator and a better Net Control Station.

1.) DO NOT ACCEPT NET CONTROL POSITIONS IF YOU CANNOT HEAR OR CANNOT BE HEARD.

Compare your signals with those of other stations in your general area on how well you are heard and how well you hear. Choose the furthermost station from you in the area your particular net covers. If you need relays with more than a few stations and you have to ask more than a few stations to repeat their calls, you will be in trouble as a Net Control Station. (Note: The above remarks do not include large area nets where propagation plays a vital part in reception.)

2.) YOU ARE NET CONTROL. SO BE IN CONTROL!

Do not let other stations talk under or over you. Suggestions are fine as long as the Net Control Station request them. Unsolicited remarks from members of the net should not be tolerated. If you, as Net Control, have a situation arise that you are not sure of, then ask for help. That is the only way to learn.

3.) KNOW YOUR PROCEDURE!

Study your preamble and how your net operates. Know in what order each item of procedure comes and stick to it. The best way to foul up as Net Control is to run the net differently every time you are the Net Control Station. If your net has a good preamble, stick to it and you won't foul up on procedure. Then, each station in the net will know what comes next and you won't pull any surprises on the net members. After all, they are your peers and they will be judging your performance.

4.) KNOW YOUR NET STATIONS.

Familiarize yourself with each station. Know where he is located and what area of traffic he can handle. If you ask the same station these questions more than a couple of times, then you are in trouble as a Net Control Station.

5.) KNOW YOUR LIAISON NETS.

Know what nets liaison with your net, what areas and cities they cover and try to route traffic through their reps. There is nothing more disgusting than to check-in to a net as a rep from a liaison net and the Net Control routes traffic for a particular city covered by your net, through 2 or 3 different relays and nets and it finally arrives back to your net the same time or later than your next session. No wonder messages are sometimes garbled. This is one area the Net Control Station plays an important part in keeping the National Traffic System the best means by far to route traffic. If the Net Control fouls up in this area, then he fouls up the system. **Know your liaison nets and what area and cities they cover.** If you don't, then you are in trouble as a Net Control Station.

6.) KNOW YOUR NET REPS!

Know what reps normally come from what nets. Give your regular net reps traffic preference as they put in a lot of time meeting your net and others. Excuse them from the net promptly when they have cleared their traffic. If you route traffic through a non-regular net rep over your regular net rep who has been standing by on frequency to receive traffic, then you are in big trouble as a Net Control Station.

7.) KNOW HOW TO DISTRIBUTE YOUR LISTED TRAFFIC.

Develop a good system so you know what stations you are sending off with whom, what traffic they are to receive and who you are to send off next in line. Determine this by who has the most traffic to send, who can receive most of this traffic and what reps have to be at other nets at what time. This is something that no one can teach or tell you. It is learned from experience and by knowing your net reps and liaison nets. Also, by just getting in there and doing it. If you cannot learn to do it and you start having traffic pile-ups, then you are in trouble as a Net Control Station.

8.) KNOW YOUR FREQUENCIES!

Know what nets are on what frequencies the same time as your net. If you don't it will take forever to pass traffic when you send stations off frequency. They will either spend too much time looking for each other or will have to keep coming back to net to get hooked up again. Or, you will have stations from other nets coming up to let you know you are sending stations down that are interfering with their net. Know the frequencies around your net frequency.

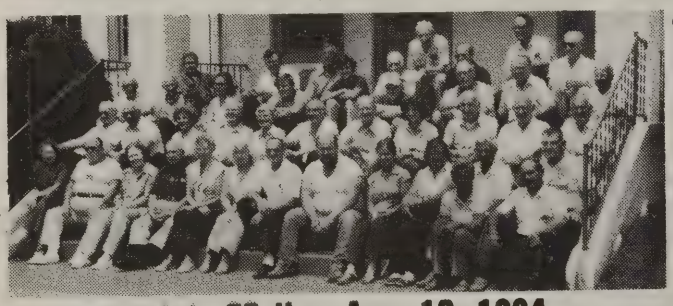
9.) SHARE THE WORKLOAD.

Don't call on the same station every time for relays. Don't call on the same station in one city all the time to take traffic if there is more than one amateur there. Don't ask the same station every time to sub when the regular rep does not show up. Don't ask the same station every time to put out a call for check-ins. Remember, the net is a team effort and as Net Control, it is your duty to try and get everyone active in net operations.

10.) DO NOT LET INTERFERENCE (QRM) DISRUPT YOUR CONTROL OF THE NET.

Interference with the net is your sole responsibility as the Net Control Station. If the interference is so bad you cannot run the net, then ask a member of the net to try to eliminate the interference. If this does not work, then ask the net to standby and you try to move the interference. If this does not work, then temporarily move the net frequency. If the interference is intentional, the best solution is to ignore it. The more you talk about intentional interference, the more it persists.

11.) DON'T TRY TO BE THE PUBLIC RELATIONS DIRECTOR FOR YOUR NET.



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Remember, you are the Net Control Station. Socializing, ragchewing and exchanging pleasantries with members of the net is wasting everyone's time including yours. If there is someone you want to talk to or have not heard from for sometime, ask him to standby till after net. The majority of the net is not interested in your QSO and are there for another purpose, anyway.

12.) DO YOUR NET REPORTS PROMPTLY.

Keep an accurate record of net operations. The call signs and number of check-ins. The amount of traffic passed. Who the net reps were. The length of time of the net. All this info is of vital interest to your NM in making his reports to the STM and SM. Get your net reports in as soon as possible after your session as Net Control.

13.) BE PRECISE, STEADY AND DELIBERATE.

No one likes to check-in to a net when the net control is going so fast (CW or phone) you cannot understand his instructions. Nor does one like to check-in to a net where the Net Control is slow, fumbles for words and cannot seem to get his instructions across. Speak clearly and distinctly. Be deliberate.

Good luck.
Jim Stewart, WF4Y
Milton, FL

FLORIDA REPEATER MAP

The only one of its kind. The third edition of the Florida 2 meter repeater map is off the press! ! A beautiful job by Editor, Bill Tucker W4FXE. Each city has it's own box with frequencies listed therein. There is another list by frequency along the side. Map is printed on 11 X 17 inches, black on light yellow, easy to read, 20 pound bond paper. We are keeping price down to only 25 cents each with your No. 10 (business size) envelope self addressed and stamped. Send to: Map, Florida Skip, Box 501, Miami Springs, FL 33266

A QUICK 'N EASY way to put up a tri-bander in a park, for Field Day or anyplace. Here WB4CKY uses 2 2 X 4 boards U-Clamped to the hinges of the van to support the beam mast mounts. The Hollywood ARC used this beam during SUN-DAY, May 1st at Tamiami Park in Miami. 8 European countries were worked with Kenwood TS 130 (QRP) on SOLAR POWER. (Photo by WB4CKY)

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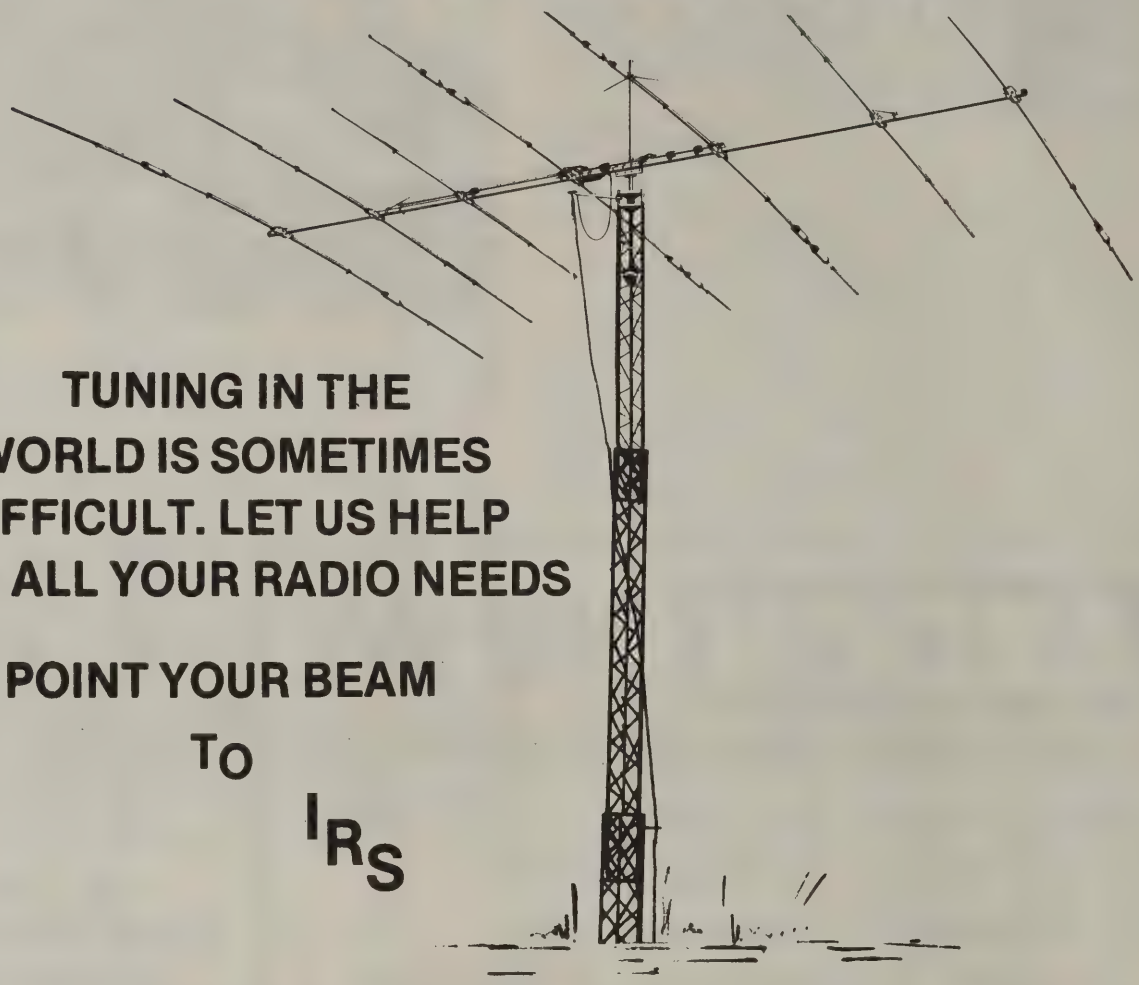

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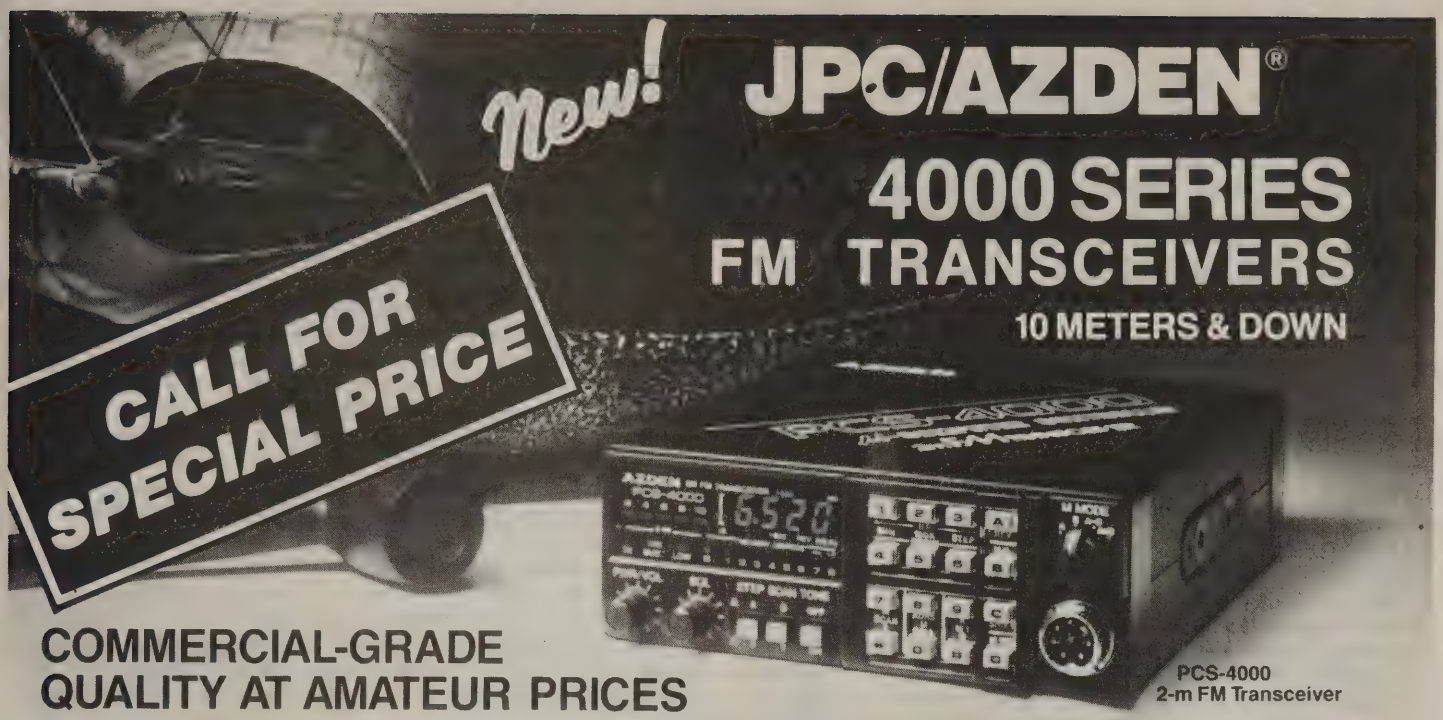

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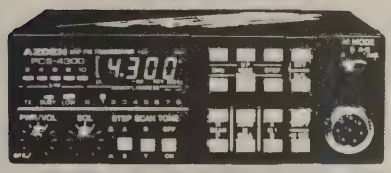
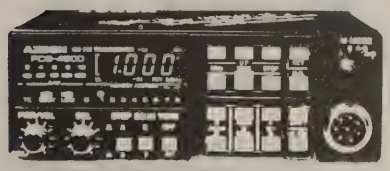


PCS-4300 70-cm FM Transceiver



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- **CAP/MARS BUILT IN:** PCS-4000 includes coverage of CAP and MARS frequencies.
- **TINY SIZE:** Only 2"H × 5.5"W × 6.8"D. COMPARE!
- **MICROCOMPUTER CONTROL:** At the forefront of technology!
- **UP TO 8 NONSTANDARD SPLITS:** Ultimate versatility. COMPARE!
- **16-CHANNEL MEMORY IN TWO 8-CHANNEL BANKS:** Retains frequency and standard simplex or plus/minus offsets. Standard offsets are 600 kHz for PCS-4000, 1.6 MHz for PCS-4200, 5 MHz for PCS-4300, 1 MHz for PCS-4500, and 100 KHz for PCS-4800.
- **DUAL MEMORY SCAN:** Scan memory banks either separately or together. COMPARE!
- **TWO RANGES OF PROGRAMMABLE BAND SCANNING:** Limits are quickly reset. Scan the two segments either separately or together. COMPARE!
- **FREE AND VACANT SCAN MODES:** Free scanning stops 5 seconds on a busy channel; autoresume can be overridden if desired. Vacant scanning stops on unoccupied frequencies.
- **DISCRIMINATOR SCAN CENTERING (AZDEN EXCLUSIVE PATENT):** Always stops on frequency.
- **TWO PRIORITY MEMORIES:** Either may be instantly recalled at any time. COMPARE!
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HOW IT GOT STARTED

By John F. Barrows, W1HCR

SERVICE IS OUR BUSINESS . . . There have been queries about the new network, called Southcars, operating in the southeastern section of the nation. Actually the acronym is SCARS, but pronounced Southcars which is the derivative of the South Coast Amateur Radio SErvice. This new organization is the final link of a nation-wide Instant-Service network serving the entire fourth-call area and some fifth-call states.

The idea of providing a valid amateur radio service was the brainchild of Jim Hartwell, K7UDG, now a resident of Palo Alto, California, who in 1963 founded the West Coast Amateur Radio Service (pronounced Westcars). It was initially planned for fixed or mobile stations to assist campers and other mobile stations with vital inforamtion while traveling through-out the twenty-three western states. WCARS operates on 7.255 kHz. In January 1968 the Midwest Amateur Radio Service (pronounced MIDCARS) was founded by Marv Cook, W9WWE and Nick Geer, K9DDT. They meet on 7.258; followed by the organization in December 1968 of the East Coast Amateur Radio SErvice (Eastcars) by K1LTO, WA1KRN, WA3GAL, W3RAZ and W3RSC (now W4MLF). They too chose to operate on 7.255. Two years ago Dick Eichhorn, KB0AE and Steve Hendrix, KA0DEK organized Northcars who operate on 7.250 and are manned primarily by handicapped hams in the area of Minnesota, Wisconsin, the Dakotas and the neighboring states.

The southeastern section of the country was the only area unable to provide this very effective and valid service. The organization and operation of Southcars was co-founded this past January by Walter Rike, KE8O and John Barrows, W1HCR, thereby completing the nation-wide network. Although all CARS units operate using the same traditional procedures basically established by WCARS, each is independent of each other. 7.251 was selected as the SCARS operating frequency. En route to one's destination it is now possible to check into a CARS unit in all sections of the United States and parts of Canada and Mexico.

From the beginning of SCARS consideration was given to suspend its service during the hours of operation of the Florida Mid-day Traffic Net (7.247), and resuming its service at approximately 12:45 to 14:45 (local). Another policy is to suspend its service on Sundays while the Florida QCWA (7.253) conducts its business without interference. Upon the completion of that net Southcars continues with its own operation. These deliberations have resulted in a host of friends of SCARS.

Like all networks there is a great need for net controllers. Increased membership is also required to enable the organization to accomplish its programs and to conduct its business in a non-profit manner. The primary goal of this new Instant-Service organization is to serve the public by assisting in emergencies, handling traffic, furnishing vital information and facilitating contacts. Its operators are dedicated and cordial personnel, located in Florida, Georgia, Tennessee, South Carolina, Pennsylvania and Alabama. The present SCARS operational hours are 08:00 - 10:00 and approximately 12:45 - 14:45 (local), on 7251 + or - QRM.

Membership dues are $3.00 a year (starting on 18 March 1983 to 17 March 1984 to coincide with the dates of the Orlando Hamcation. Applications for membership are being accepted by our Secretary-Treasurer Walter Rike, KE8O, 18 Pinewood Drive, Holiday, Florida 33590.

SUN-DAY MAY 5-6

CAPE CANAVERAL, FLORIDA: The Florida Solar Energy Center (FSEC) of the State University System of Florida and the Indian River Amateur Radio Club will celebrate **SUN DAY** on May 5 and 6, 1500Z to 2200Z. 5,880 photovoltaic 4 inch diamater solar cells will provide for heating, cooling, cooking and Amateur Radio operations during this public event, **SUN DAY**.

W4NLX/4 will operate on SSB 7.240, 14.240, 21.370 and 28.518; CW 7.040, 14.040, 21.040 and 28.003; FM 146.28/88. A beacon will be on 1296.05 Mhz.

For all Short Wave listeners (SWL) and Amateur Radio Operators, "The Solar Collector", a quarterly high technology newsletter is available free, **ON REQUEST**. Also, a multicolor certificate is available. Send a business size S.A.S.E. to: FSEC, 300 State Road 410, Cape Canaveral, Florida 32920.

—Submitted by Carl S. Zelich, AA4MI

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KNIGHTS OF THE KILOCYCLE
54th year (Since Christmas 1929)
By Phil McMasters, W4BCZ

We will start with good news first, W8NBU, was married to Charlotte Bigelow on Friday evening February 3rd. Hope we hear him back on the net soon. The sad news was that our Speech Amplifier W4SVB is lonesome as his YF returned to her Lord during this period. K4WXS, Lee is in the St. Petersburg Medical Center, she is missed as not too many YLs get up on Sunday morning. We do want to appreciate both Blanche and Shirley, W4GXZ and W4WPD, who have been regulars this month. W1HXX/4 Bill of Lake Panasofkee is No. 455 the latest new member of the Knights.

The February 5th meeting had absences who did not lose their place on the roll, as attendance at a HAMFEST is the only valid excuse for not calling into the net when called by W4 Nice Guy, our Master Oscillator. Remember that the keeper of the GET-WELL CARDS, W4BCZ is not a crystal ball keeper. If you know of anyone who is under a doctor's care send him a message on either the Friendly Phone Traffic Net, or the Tropical, if you are a sleepy head, and he will get the card mailed. Remember, The Knights of the Kilocycle, Oldest Ham net, has no dues, only requires that you call at 7:30 A.M. Eastern time on Sunday morning five times in a row on 3910 KILOCYCLE. (HERTZ rents cars.) You then get initiated and a permanent number and certificate. Nothing better anywhere.

•

If you are tired of all the heat at Field Day, try the Florida QSO Party (May 5th and 6th). Operate in air conditioned comfort from your car and help activate Florida's rarer counties. List the counties you or your group can cover and send to P.O. Box 9673, Jacksonville, Fla. 32208. Awards and Certificates to Top Scorers in each county (Fone and CW).

DOLLAR BILL!
A PRACTICAL JOKE?

Those who are superstitious of the number 13 may want to shun the American one-dollar bill.

Look at one and discover on the back of the bill seven sets of 13 items. No joke! Count them for yourself!

There is a pyramid with 13 steps, an eagle with 13 arrows in one talon, a branch with 13 leaves and 13 berries in the other talon, and a ribbon in its beak bearing the latin phrase, E PLURIBUS UNIUM (13 letters). Over its head are 13 stars, and its shield bears 13 stripes.

Those groups of 13 symbolize, of course, the original 13 colonies — which were bad luck only to George III and the British!

C W B L U R B S
Barry Yoder, W8SJO/4

CW OPS: Fire with "LEVER ACTION."
CW OPS: Sit on their BRASS a lot.
CW OPS: Mind their "KEYS AND Q's".
CW OPS: ARE always turning on and off.
CW OPS: Give more than lip service to CW.
CW OPS: Are busy closing communication gaps.
CW OPS: Have high Q's.
CW OPS: Make thoughtful conversation.
CW OPS: Have got the Rhythm.
CW OPS: Prove talk is "CHEEP."
CW OPS: Fed-up microphone users. (Heard 20 lately?)
CW OPS: The preservers of the wireless heritage; giving honor to communication through knowledge, discipline and skill.

C W OPS: Make "MORSE" sense out of things.
C W OPS: Have their fingers on the situation.
C W OPS: The preservers of the wireless heritage; giving honor to communication through knowledge, discipline and skill.

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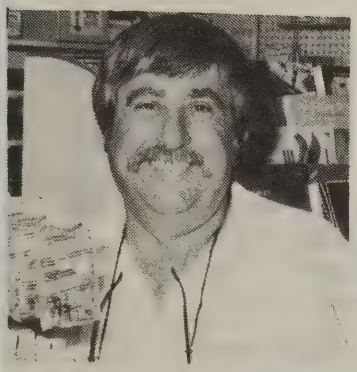

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THE VHFERS ROOST

Conducted by Peter S. Heins, K1FJM/4
19570 S.W. 264 St., Homestead, FL 33031

Conditions and activity on the bands above 50 Mhz have been stinko!! My normal reporting spies have nothing of significance to give me this month. Activity levels for the Jan. ARRL VHF Sweepstakes were about average as compared to other years, although 432 Mhz QSOs were hard to find due to inoperative equipment and poor tropo conditions. In general, 6 meter propagation conditions were about as good as on 2 meters. Miami stations worked several VHFers in NFL ranging from KL7JGI/4 (Panama City) to W5HUQ/4 (Jax.) as well as a few 10 watt 2m SSB stations as far north as Lake City.

Orbital Prediction Programs of AMSAT satellites, and others too, are available from AMSAT Software Exchange, Box 27, Washington, D.C. 20044. They have diskette and/or cassette and/or listings for the following computers: TRS-80 MOD I LVL II, MOD III, MOD 16, MOD 12, MOD 4, and Color com + 32K.; North Star; Microsoft; Apple II; PL/I-80; IBM PC (64K); TI-99/4; Commodore VIC-20, 64; and Atari. K0CY, 3913 - 29th St., Des Moines, IA 50310 has the Sinclair-Timex ZX-81/TS-1000 program for $15.

As springtime approaches, keep your receivers tuned for tropo again and please send me your reports of DX QSOs.

The following is from the NE VHF NEWS:

WARC IMPLEMENTATION: The FCC released the Second Report and Order in General Docket No. 80-739, the WARC implementation proceeding, on December 8, 1983. By this action, the Commission has amended the domestic Table of Frequency Allocations contained in Part 2 of its Rules to bring it into compliance with the WARC-79 actions, and has adopted a set of definitions that is consistent with the new international radio regulations. Here is a summary of the results concerning the World Above 50 Mhz.:

50-54 Mhz: Remains exclusively Amateur.

144-148 Mhz: Remains exclusively Amateur.

220-225 Mhz: The status quo is maintained for the moment, with the Amateur Service to benefit from a phasing down of Government Radiolocation operations in the band through the remainder of the decade. However, the cessation of government Radiolocation raises the possibility of other services, Government or non-Government, being introduced in at least a portion of the band. Here again we are likely to have a battle on our hands in a future proceeding. Sharing with radiolocation has generally been satisfactory; finding another suitable sharing partner would help assure continued access to the band for Amateurs.

420-430 Mhz: As presaged in August, 1981 QST, page 57, this segment will no longer be routinely available along the Canadian border. Some operation may be possible with waiver, subject to coordination with Canada. (This restriction will affect much of northern New England.)

430-450 Mhz: There is no change to the domestic Table of Frequency Allocations, despite the extensive changes to the International Table.

902-928 Mhz: the new Amateur band will not be available in Colorado and Wyoming, bounded by the area of latitude 39 deg. N to 42 deg. N and longitude 103 deg. W to 108 deg. W, and is allocated on a secondary basis to the Amateur Service elsewhere. Amateur Stations must tolerate any interference from industrial, scientific, and medical (ISM) devices, Automatic Vehicle Monitoring (AVM) systems, and government stations. Whether there will be limitations to protect the AVM systems remains to be seen.

1215-1240 Mhz: As expected, this segment is to be withdrawn to protect the NAVSTAR/GPS radionavigation satellite system from interference.

1240-1300 Mhz: The new amateur satellite uplink at 1260-1270 Mhz is recognized. The only other changes are in the international footnotes, but at this point the ARRL knows of no plans for domestic implementation of new sharing arrangements for the band.

2300-2310 Mhz: In this 10 Mhz segment, we retain our existing domestic status. Unfortunately, in Europe the Amateurs are generally losing access to 2300-2320 Mhz, and in Japan only 2400-2450 Mhz is available. The result is that there is no common, worldwide allocation in this band that is free from ISM interference at 2450 Mhz.

2310-2390 Mhz: In order to protect aeronautical flight test telemetry from interference, the Amateur allocation is being withdrawn.

2390-2450 Mhz: The new Amateur satellite allocation at 2400-2450 Mhz is recognized.

FLORIDA PIONEER GONE

By Peter S. Heins, K1FJM/4

The Florida VHF community was saddened to hear of the death of Jay, W4VTJ, at the beginning of November. Jay had been a stalwart of the two meter band for some 30 years from his Lantana QTH. He amassed many a state, and yes several countries, too, back in the "old" AM days. Jay's consistent activity of 2 meters encouraged others to populate the band, too.

Jay loved to utilize tropo and sporadic E and also made QSOs on random meteor scatter. In all, he worked over 30 states on 2 meters although he never used E.M.E. W4VTJ loved to tinker with projects for several VHF/UHF bands and delighted in telling others how his experiments were progressing. Convention attendees will not soon forget Jay's chapeau with the mini yagi sprouting from it. 73, Jay.

FLORIDA 2 METER REPEATER Map. 3rd editon. Each city has it's own box with frequencies listed therein. It has another listing along the left side. Printed, black on yellow bond easy to read paper 11 X 17 inches. Only 25 cents each with your No. 10 Self Addressed Stamped Envelope (SASE) to: Map, Florida Skip, Box 501, Miami Springs, FL 33266. PLEASE NOTE: Our Box ZIP number is now 33266 - not 33166. Post Office changed it!!!

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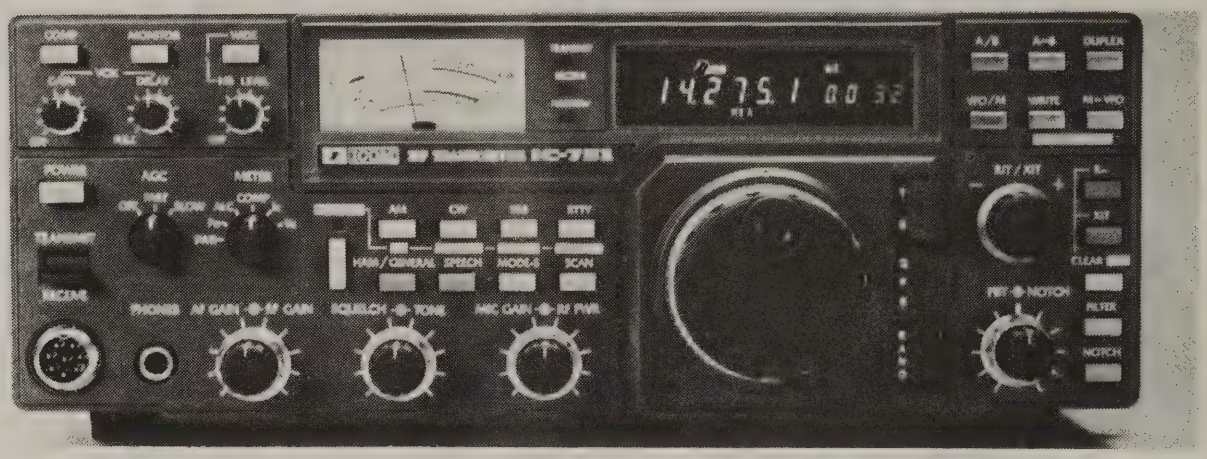

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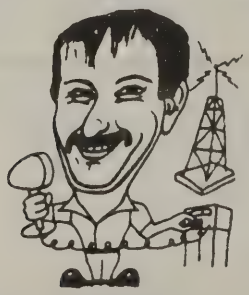

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AREC REPEATER GROUP, Inc. WA4ARE/R 07/67 R. Brunner, Treas. 4072 Sussex Ave., Lake Worth, FL 33461. Breakfast 9AM Sundays at Clock Restaurant, N. Dixie, Lake Worth. All amateurs welcome! ! !

BRANDON AMATEUR RADIO SOCIETY, WB4BIM meets 3rd Thurs. at Brandon Chamber of Commerce. Nets Mon. 8PM on 147.165 Wed. 8PM Novi ce CW 21,165 9PM phone on 28.765.

BROWARD AMATEUR RADIO CLUB, Inc. W4AB. W4AB/R 31/91. Meets 2nd Fri. 745PM, Red Cross Bldg., Ft. Lauderdale. Mail: Jan Lorah WB4KOC, 2407 Flamingo Ln. Ft. Lauderdale, FL 33312.

CHARLOTTE AMATEUR RADIO SOCIETY (CARS) Meets 2nd Wed. ea. mo. 730 PM 1st Fed. Savings & Loan, 410 Taylor St. Punta Gorda. Mail: Box 415 Zip 33950 Rptr K4IA 146.145/745.

CLEARWATER AMATEUR RADIO SOCIETY. WB4BZF. Meets 2nd Thurs. Ea. Mon 730PM at Morton Plant Hospital, 323 Jeffords St. Clearwater. Mail: Box 7388, Clearwater, FL 33518. All Welcome.

CYPRESS CHAPTER of Ten-Ten International. Meets Wed. 8PM on 28,665. Covers E.-Central FL. K4TSY Chapter Head. For certificate work 5 holders, send long info & $1. to Bob Lucas K4HTU, RD 3 Box 2630, St. Cloud, FL 32769.

DADE RADIO CLUB, Inc. W4NVU. Meets 1st & 3rd Tues., Museum of Science, 8PM, 3280 S. Miami Ave., Miami. Mail: P.O.Box 350045, Riverside Station, Miami, FL 33135.

DAYTONA BEACH AMATEUR RADIO ASSN., Inc. K4BV. Meets 8PM, 3rd Monday monthly, American Red Cross, 341 White St., Daytona Beach, FL Come and bring a friend.

EVERGLADES AMATEUR RADIO CLUB. W4SVI/R 146.235/835. We meet 2nd Fri. ea. month 8PM, Dade Co. Agricultural Bldg. 18710 SW 288 St., Biscayne Dr. at Redland Rd. Homestead 33030.

FELLOWSHIP AMATEUR RADIO CLUB, Inc. Meets 4th Thursday at Ingalls Park Recreation Center, 735 SW 1st St. Hallandale, FL 730PM. N4AXQ/R 147.81/147.21 Mail: Box 680284, No. Miami, FL 33168.

FLORIDA GULF COAST AMATEUR RADIO COUNCIL, Inc. P.O. Box 157, Clearwater, FL 33517.

FLORIDA REPEATER COUNCIL Pres. K5FOG, VP W4CF, Tres. K4KE, Freq. Coordinator, Jani Kusmulyana KO4J, P. O. Box 17317, Tampa, FL 33682 Phone 813 985-3453.

FLORIDORA YL'S. W4FE. Pres. Blanche Randles W4GXZ, CR-SH Bx 74, Stoddard NH 03464 (5-10) 6002 N. Fremont, Tampa, 33604 (11-4). All YLs & XYLs invited. See Box ad for details.

FORT MYERS AMATEUR RADIO CLUB. Meets 1st Wed. ea mo. 730PM, 1st Fed. & Savings, 121 Pomdella Rd. SR78A, No. Ft. Myers. Mail: PO Box 4814, North Ft. Myers, FL 33903

FORT PIERCE AMATEUR RADIO CLUB: Meets informly every Tue. 730PM, Room B-104 Indian River Comm. Coll. Orange Ave. Fort Pierce. Bring a friend!

GULF COAST AMATEUR RADIO CLUB. P.O. Box 595, New Port Richey, FL 33552. Meets 4th Mon. each month 730PM at Colonial Hills Civic Assn. 87 Peacock Dr. NPR 146070/670 WA4GDN. All are welcome.

THE GOLDCOASTERS. Meets 2nd Mon. ea. mo. Pals Captain's Table, Deerfield Bch, 11:30AM. Additional meetings 4th Mon. during Jan. thru Mar. Open membership. Write: PO Box 2778. Boca Raton, Fl 33432 Phone 421-6704. Net daily 14346, at 915AM

GREATER TITUSVILLE AMATEUR RADIO CLUB. Meets 3rd Mo 730PM ea. month at Titusville Chamber of Commerce Bldg. Mail: c/o W. R. Young, K4DQT, 3845 Catalina St., Titusville 32780 Rptr 146.31/146.91 for other details.

HILLSBOROUGH AMATEUR RADIO SOCIETY, Inc. WA4GJJ meets 4th Thur. 7PM Telcom Plus Bldg, 5723 Benjamin Ctr Dr. N. TPA Arpt. Mail: Box 24602, Tampa 33623 Info: 884-7035.

HOLLYWOOD AMATEUR RADIO CLUB, Inc. WB4TON/R .385/.985 Meets 3rd Mon. 800PM Rm 238, So. Satellite Court House, 3550 Hollywood Blvd., Mail: PO Box 6306, Hollywood, FL 33021.

INDIAN RIVER AMATEUR RADIO CLUB. W4NLX. Meets 4th Mon. First National Bank, Merritt Isl. 730PM. Mail: Box 5, Cocoa 32922.

KEY WEST AMATEUR RADIO CLUB. W4LLO/R 146.34/.94. Meet 8PM, 2nd Tues. Sportsman Inn. N. Roosevelt Blvd. Mail: Box 2371, Key West, FL 33040. Phone 296-2723. Most souther radio club ! !

LAKE AMATEUR RADIO ASSN. Inc. K4FC.Meets 1st & 3rd Thur. 8PM, Clubhouse, Springdale Ave., Bassville Park. Mail: Dot Favorite KA4MIL, 106 Island Dr., Leesburg, FL 32788. All Welcome.

MAGIC CITY AMATEUR RADIO SOCIETY. Meets 4th Saturday, 3rd floor, Conference Room, 2PM, Joseph Caleb Center, Miami. Details from: John Dillard, WB4WXF, Pres. 305 633-5433.

NORTH FLORIDA AMATEUR RADIO SOCIETY, W4IZ. Meet 2nd Thurs. 730PM Ed White Sr. Hi School RM 110, 1700 Old Middleburg Rd., Jax. Mail: B. Williams N4UF, 9110 Rio St. Johns Dr. Jacksonville, FL 32211.

OLD OLD TIMERS CLUB (OOTC) net Sunday 2PM on 7247 kHz. Info: Bob Bookwalter, W4NWF, 728 Valencia Rd., Venice, FL 33595.

POMPANO BEACH A.R.A. (ARRL Affil.) Meets 2nd Thursday 7PM in St. Steven Lutheran Church, 2500 NE 14th St. Welcome aboard!! Mail: 421 NE 25th Ave., Pompano Beach, FL 33062.

PLATINUM COAST AMATEUR RADIO SOCIETY. Meet 2nd Mon. ea. month, Red Cross Bldg., 1150 S. Hickory St., Melbourne. Mail: Box 1004, Melbourne, FL 32901. Rptr: WR4AMJ 146.25/.85.

PLAYGROUND AMATEUR RADIO CLUB, W4ZBB. Meets 1st & 3rd Thurs. 730PM, Clubhouse on 1st St., Ft. Walton Bch. Mail: PO Box 873, Ft. Walton Bch, FL 32548. Repeaters 146.19/79 & 147.60/00

ST. PETERSBURG AMATEUR RADIO CLUB, Inc. W4GAC. Meets 8PM, 1st Fr., Red Cross Hq., 818-4th St., Mail: PO Box 4026, St. Petersburg, FL 33731. All amateurs welcome. Bring a friend.

SARASOTA AMATEUR RADIO ASSN., Inc. W4IE. Meets 3rd Tues. 8PM. Sarasota Co. Administration Ctr, US 301 & Ringling Blvd. 6th Floor lounge area.. Mail: Box 3182, Sarasota, FL 33578. Join us ! ! !

SILVER SPRINGS AMATEUR RADIO CLUB. Meets 3rd Tues. ea. month at Forest Hi School, 1614 SE Ft. King St., Ocola 730 PM. Net other tues. 730PM on 146.01/61. Mail: Hugh C. Henline W4JOP, 3480 SE 26th Ct., Ocala, FL 32671. Ya'll come Now!

SOCIEDAD INTERNACIONAL DE RADIO AFICIONADOS, INC. (SIRA) WB4ESB & WB4ESB/4 147.90/30. Mail: Box 524071, Miami, FL 33152. Bulletins on 3785, 7155, 14155, 21255 & 29155kHz. Emergency net 14205 and 147.510. Info & drill net Tuesday 9 PM thru repeater. Phone 305 822-1688.

SOCIETY OF WIRELESS PIONEERS. Edison Chapter meets Sun. 2PM, 7055 kHz. Bill K4TF CHOP. Info: Bill Willmot K4TF, 16 30 Venus St., Merritt Isl., FL 32953. Transcon SOWP net, Tue. & Thurs 10AM EST, 14115. Info Sy, W4IKU, 305 651-5385.

SOUTH FLORIDA DX ASSOCIATION, PO Box 4541, Margate, FL 33063. DX Net every Wednesday at 9PM Local 147.33/93

SOUTH FLORIDA FM ASSN. W4SQG/R 146.16/146.76, WD4BVO/R 146.4/147.0 & WD4SFG/R 449.20/444.20. Mail: PO Box 4300-25, Miami, FL 33143. Meets 2nd Mon. CD Hq 5600 SW 84Ave.

TAMPA AMATEUR RADIO CLUB, Inc. W4DUG. Meets 1st & 3rd Mon. 730PM at Club House, Davis Isle, Columbia & Barbados. Mail: PO Box 10453, Tampa, FL 33679.

TAMPA BAY REPEATER ASSN. PO Box 24671, Tampa, 33623. Meets 2nd Tue. 730PM. Call in on 146.16/.76 for meeting place. 146.16/.76 Tampa; 146.39/.97 Largo; 147.705/.105 East Bay. Net meets ea. Thur. 730PM on 146 16/ 76. Join us.

WEST PALM BEACH AMATEUR RADIO CLUB, Inc. W4HAW P. O. Box 6834, Southboro Sta., W.P.B. Fl 33405. Meets 2nd Wed. 7:30Pm, P.B. Civil Defense, 3723 Belvedere Rd. Phone 655-3592.

ZEPHYRHILLS AREA AMATEUR RADIO CLUB' INC. Meets 4th Thur. ea. mo. 730PM at Community Center at Lake on W 54. Mail: PO Box 1534, Zephyrhills, FL 34248. Come & bring XYL.

QCWA CALOOSA CHAPTER. Luncheon last Wed. ea. month 1130 AM, Le Bistro restaurant, 4515 Del Prado Blvd., Cape Coral, 3 blocks N. of Parkway on right. Info: D. Bowman W4OUU, 5317 Colonade Ct., Cape Coral, FL Phone 813 542-4656. All Welcome.

QCWA CENTRAL FLORIDA SHAPTER Meets 2nd Saturday noon, at Western Sirloin, 3105 Hwy 98N, Lakeland. Net 10AM Sat. on 7243 kHz. Info: Norm Weddell W9HOH, Sec. 813-665-5085.

QCWA CITRUS CHAPTER. Meets 3rd Saturday each month 1130AM at Duff's Famous Smorgasbord. Intersection SR 436 & 434 "K" Mart Plaza, Altamonte Springs. Net meets 9AM Saturday 3955 kHz. All Welcomed.

QCWA EVERGLADES CHAPTER. Meets 2nd Sat. Sept thru April. Sweden House, 5550 N. Fed. Hwy., Ft. Lauderdale. Info: See Skip News column or call Roy McCarty W9KA, 305 731-4145.

QCWA FLORALA CHAPTER. Meets noon 2nd Sat. ea. mo. Western Steer Stake House, Ft. Walton. Pres. W4MMW, Sec-Treas. W4-WKQ, John Zwaska, 37 Longwood Dr., Shalimar, 32579. Net ea. Mon. 730 PM CST 28/88 & 8PM CST 3950 kHz. All welcome.

QCWA GATEWAY CHAPTER meets 3rd Sat. ea. mo., Uncle Johns Pancake House, Beach Blvd. Net 7230 Khz. Info: Ed. Nelson, 4015 Front River Blvd., Jacksonville, FL 32208.

QCWA GATOR CHAPTER. Tampa Bay area. Meets 1st Sat. Noon at Chief Charlie's Restaurant, Gulf to Bay Blvd. on Rt. 60 Clearwater. Wkly net Sat. 915AM on 3920kHz. E. Nannis K4JMH 14996 Imperial Pt. Dr. No., Largo, FL 33544 All welcome.

QCWA HIGHLANDS COUNTY CHAPTER (121) meets first Wed. Contact K4HSC, Meg Hennor, Sebring 655-0871, V-P or W4BCZ Phil McMasters 465-3359, Rt. 5 Box 275, Lake Placid, FL 33852

QCWA PELICAN CHAPTER meets 3rd Wed. noon at Sea Ketch Restaurant,in St. Pete. Net Sat. 10AM 3930kHz. Info. W4BK. 1255 Pasadena Ave., South, Phone 381-5411. All are welcome.

QCWA SOUTHEAST CHAPTER. Meets 3rd Sat. ea. Mo.at Noon. More info: W4KGJ 666-2058, W4KO 685-1963 or W4LGP 891-7692. We also welcome all OOTC and SOWP members anytime! !

QCWA SPACEPORT CHAPTER: Meets each 3rd Sat. 1130 AM, Gatsby's, SR 520 & Banana River, Cocoa Beach. KØ REC Pres. Spence, 783-0629; K4KCN Secy. Chas, 453-0285. Y'all Come.....

QCWA SUNCOAST CHAPTER. From Tampa So. to Marco Isl. Meet at Davey's Locker, Rm of Windjammer Rest., 7100 S. Trail US 41, 1st Wed. ea. mo. Oct. Thru May. Info: A. Hodson W4PJF 756-5792.

QCWA SUWANNEE CHAPTER. Meets 1130AM 4th Sat. even months. Holiday In, Silver Springs. Net Sat. 7236, 9AM. Pres. W1RFE, Sec/Tres Hugh Henline, W4JOP, 3480 SE 26th Ct., Ocala 32671.

QCWA TREASURE COAST CHAPTER. Chmn. Karl Gansler W4-PSG; Sec-Tres. Jerry Dewlt W3BL. Lunch, 2nd Thurs. Sheraton Regency, N. A1A, Vero Beach. Mail: Box 3088, Vero Beach 32960.

ED'S BBS, Daytona Beach, FL 767-3011
NET-WORKS BBS, Pensacola, FL 932-8271
PMS-Seb Computer, Jacksonville, FL 743-7050
RCP/M Rbbs Jug, Jacksonville, FL 725-4995
BBS, Pensacola, FL 477-8783
COLOUR-80, Orange Park, FL 264-0335

Send your comments or suggestions to:

Arthur J. Byrnes
P.O. Box 478
Holly Hill, Fla. 32017

73's till next month, KA4WDK.

BYRNES BYTES

By Arthur J. Byrnes, KA4WDK

Computing and amateur radio have a lot in common. It's amazing how much "crossover" technology is involved in both pursuits. Just look at how many of today's radios use computers. Many computers also use radios (but the computer people call them "data links").

Many people who are interested in amateur radio are interested in computing, in fact, home computing started with the same spirit that brought us "ham" radio. The original "hackers" had to build their own machines from scratch, which included designing the circuits and writing the programs. The term "hacker" described a person who sat at the keyboard hacking away at the keys, much like a DXer spends hours tuning around the bands.

Any hobby is more fulfilling when you can "compare notes" with others who have the same hobby. In ham radio we exchange notes through specialized nets, and repeaters. The hackers have nets and repeaters too, but they call them bulletin board systems (BBS) or sometimes, personal message systems (PMS).

A BBS can be specialized, (like a some nets) or it can be open, (like a closed repeater). Most BBS's have an open sections which allows anyone to call in, but have private access to the other stations.

Some BBS's are sponsored by businesses, who charge a fee, but hundreds more are put up by regular people, as a public service. Just like a repeater, the people who use it help support it with money or equipment donations. By the way, do you support your local repeater? (If not, you should.)

Here is a list of BBS's in Florida, this list is not complete, because (like repeaters) systems go up daily, and others go down for various reasons (lack of support?). To use this list, read the manual that came with the modem for your computer, then pick a number from the list, and go to it. Messages for me can be left on ED'S BBS (area code 904).

›C=Y

Florida Bulletin Boards — AREA CODE 305

ABBS Byte Shop, Ft. Lauderdale, FL 486-2983
ABBS Byte Shop, Miami, FL 261-3639
ABBS West Palm Beach, FL 848-3802
APOGEE, Miami, FL 238-1231
BBS, Homestead, FL 246-1111
CONNECTION-80, Orlando, FL 644-8327
CONNECTION-80, Winter Garden, FL 894-1886
FORUM-80, Ft. Lauderdale, FL 772-4444
GREENE Machine Corsair, Wpb, FL 968-8653
GREENE Machine Wpb, FL 965-4388
INFOEX-80, West Palm Beach, FL 683-8044
MOUSE-NET, Orlando, FL 227-0473
MICRO-80, West Palm Beach, FL 686-3695
NET-WORKS Big Apple, Miami, FL 948-8000
PERSONAL Message Sys., Deerfield Beach, FL 427-6300
RCP/M Rbbs IBM-PC, Orlando, FL 830-4340
RCP/M Rbbs, Orlando, FL 671-2330
TBBS Pizza-net, Orlando, FL 645-5543
TRADE-80, Ft. Lauderdale, FL 525-1192

AREA CODE 813

ACCESS-80, Tampa, FL 884-1506
ALPHA, Tampa, FL 969-0512
APOLLO'S Chariot, Apollo, FL 645-3669
BRADLEY Computer BBS, Tampa, FL 734-7103
BBS, Tampa, FL 885-6187
CBBS, St. Petersburg, FL 866-9945
CONNECTION-80, Tampa, FL 977-0989
FORUM-80, Tampa, FL 988-7400
MICRO Informer 884-1506
PET BBS Commodore, Largo, FL 391-5219
REMOTE Northstar, Largo, FL 535-9341
RCP/M Rbbs, Tampa, FL 831-7276
TECOM-80, Tampa, FL 839-6746

AREA CODE 904

ABBS, Ft. Walton Beach, FL 243-1257
CONNECTION-80 Jacs, Jacksonville, FL 353-5227
CONNECTION-80, Jacksonville, FL 743-6094

INTERNATIONAL AMATEUR RADIO ARRANGEMENTS

The United States has arragnements for third party communications and for reciprocal operating privileges in the Amateur Radio Service with the governments listed below.

Third Party Arrangements

The United States has arrangements to permit United States amateur radio stations to exchange third party communications with amateur radio stations in these countries: Antigua and Barbuda, Argentina, Australia, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, The Gambia, Ghana, Guatemala, Guyana, Haiti, Honduras, Israel, Jamaica, Jordan, Liberia, Mexico, Nicaragua, Panama, Paraguay, Peru, St. Lucia, St. Vincent and the Grenadine, Trinidad & Tobago, Uruguay, Venezuela.

The United States also has an agreement with the International Telecommunication Union (ITU) permitting third party communications with its station 4U1ITU in Geneva, Switzerland.

International amateur radio communications are limited by the International Radio Regulations, which state in part that they shall be made in plain language and shall be limited to messages of a technical nature relating to tests and to remarks of a personal character for which, by reason of their unimportance, recourse to the public telecommunications service is not justified. Business messages are prohibited. At the end of an exchange of international third party communications, each amateur radio station must transmit the call sign of the foreign station in addition to its own call sign. (see §97.84). (CLIP & SAVE.)

Reciprocal Operating Arrangements

The United States has arrangements to grant reciprocal operating permits to visiting alien amateur radio operators. An alien amateur radio operator licensed by one of the following countries, who is also a citizen of that same country, may apply for a permit to operate his or her amateur radio station in the United States. (A U.S. citizen is not eligible for a reciprocal operating permit in the United states under these arrangements.)

Argentina, Australia, Austria, The Bahamas, Barbados, Belgium, Belize, Bolivia, Botswana, Brazil, *Canada, Chile, Colombia, Costa Rica, Denmark, Dominican Republic, Ecuador, El Salvador, Fiji, Finland, France, Germany, Fed. Rep. of, Greece, Grenada, Guatemala, Guyana, Haiti, Honduras, Iceland, India, Indonesia, Ireland, Rep. of, Israel, Italy, Jamaica, Jordan, Kiribati, Kuwait, Liberia, Luxembourg, Monaco, Netherlands, Netherlands Antilles, New Zealand, Nicaragua, Norway, Panama, Paraguay, Peru, Philippines, Portugal, St. Lucia, Seychelles, Sierra Leone, Solomon Islands, Spain, Suriname, Sweden, Switzerland, Trinidad & Tobago, Tuvalu, United Kingdom, Uruguay, Venezuela, Yugoslavia..

*Arrangements with Canada authorize oepration by Canadian amateur radio operators in the United States without a reciprocal operating permit and vice-versa.

An alien amateur radio operator may apply for a permit by completing FCC Form 610-A, available from any FCC office or, in some cases, from United States missions abroad. The permit is valid for one year or until the date of expiration on the applicant's license, whichever comes first. The completed application Form 610-A and a photocopy of the applicant's current amateur license should be sent to:

Federal Communications Commission
Gettysburg, Pennsylvania 17325
U.S.A.

Amateur radio operations in areas where telecommunication is regulated by the FCC must comply with Part 97 of the Rules. Reciprocal permit operator privileges (see §97.311) are those authorized by the operator's own government, but not to exceed those of the FCC Amateur Extra Class operator license (see §97.7).

United States amateur radio licensees who wish to apply for a reciprocal operating permit should write to the radio licensing authorities in the government of the country to be visited. The regulations of that country apply. (CLIP & SAVE.)

FCC EXAMINATION SCHEDULE

Examinations are conducted by **appointment only**. To make an appointment, contact your local Field Office prior to the cut-off date.

Listed below are the dates of the examination and the cut-off dates for accepting applications. In Miami: Koger Bldg., Suite 203, 8675 N.W. 53 St., Miami, FL 33166, (305-350-5542. In Tampa: Interstate Building, Suite 601, 1211 N. Westshore Blvd., Tampa, FL 33607, (813) 228-2872.

Examinations Will Be Held:	Cut-Off Dates For Accepting Applications
May 7 through May 11, 1984	April 15, 1984
August 6 through August 10, 1984	July 15, 1984
November 5 through November 9, 1984	October 15, 1984

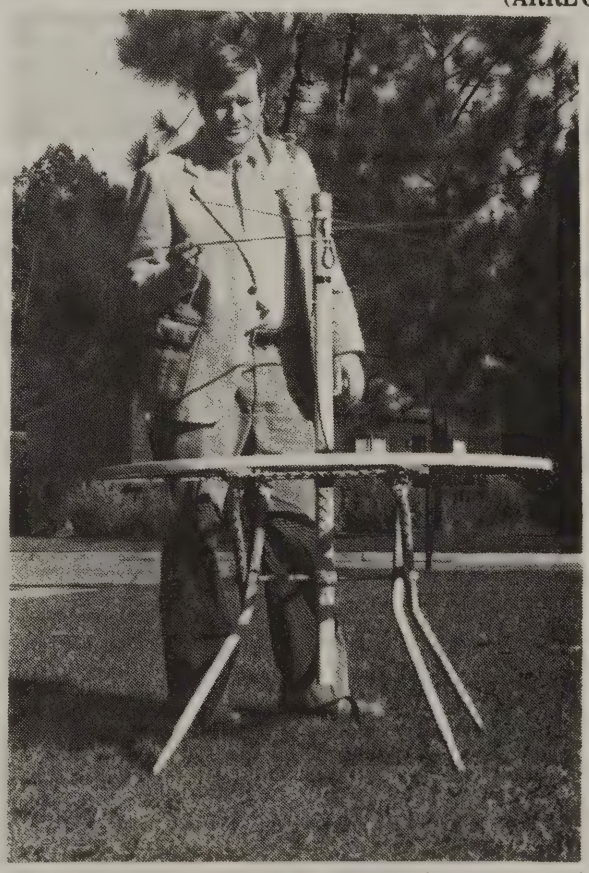
The FCC conducts examinations at a number of other cities where Field Offices are not located. These examinations are given less frequently.

MORE RACES FREQS.

The FCC has amended its rules to provide more of the amateur frequencies for the Radio Amateur Civil Emergency Service, RACES. New segments for RACES on 2 meters are 144.5 to 145.71 and 146 to 148 MHz. New HF RACES segments are 3930 to 3980 kHz, 7079 to 7097 kHz, 14331 to 14350 kHz, 21228 to 21267 kHz, and 29237 to 29273 kHz.

On UHF, the band 420 to 450 MHz, 1240 to 1300 MHz, and 2390 to 2450 MHz are newly authorized for RACES subject to the usual restrictions that apply to those bands and new restrictions on 420 to 430 MHz near the Canadian border. Details will appear in March QST AR.

(ARRL OB 2)



One of the lucky ones to QSO W5LFL/Spaceship Columbia was Jimmy Brooks WA4BEV of Valdosta, GA. Jimmy said this $4. homemade Turnstyle antenna did the trick. It was built from 2½ inch PVC plastic pipe, TV rabbit ears were used for the radials and an old patio table was used for the reflector. He used 75 watts, listened on 145.55 and transmitted on 145.09 and 144.91. BEV sent SKIP Editor a tape of the QSO to prove it. Congratulations Jimmy! !

ARMY MARS
SUPPRESS THOSE TRANSIENTS!
By Dick, AAR4PP

No — in spite of that headline, we are not proposing an attack on the civil rights of Florida tourists. We are talking about those sudden power spikes that can zonk your solid state gear. They can enter your equipment uninvited whenever the utility company switches generators, or when an air conditioner or other appliance in your home cuts in or out. And most especially you can expect spikes when lightning hits a power line, even a few miles away — and you rightly know how often lightning hits things here in our sandbar state!

The awful thing about this stuff is not just that it can burn out a few replaceable components, but that it severely shortens the life of other components, so that your gear keeps cutting out because of component failures for months or years thereafter. Better safe than sorry, huh?

"Safe," according to Steve Garcia, writing in the 12/83 Byte magazine, means lots of MOV's strategically placed across all three lines that feed your equipment. MOV's (metal-oxide varistors) should be soldered between neutral and hot wires, plus neutral and ground, plus hot and ground, so that "common-mode" transients can be handled. And don't try to save $$ by just soldering MOV's at your junction box in the hope of protecting the whole house: in the first place, they shuld be closer to the equipment needing protection, and in the second place, the things are dirt cheap, compared to what they can save you.

A dollar and fifty-nine cents apiece is all General Electric V130LA10A MOV's will cost you if you get them off the Radio Shack wall rack as Number 276-570. These little goodies are rated as handling a transient peak current of 4.5 **thousand** amps, which should give you a nice feeling of security. The easiest way to make protectors is to open power-strips and solder the MOV's across the wires within them. Don't settle for pre-manufactured store-bought units unless you look inside them. For instance, the Radio Shack Voltage Spike Protector (No. 61-2790, $9.95) comes in a pretty bubble pack, but it only includes a single MOV across the hot and neutral lines.

There's more covered in Garcia's article, starting on Page 36 of the December **Byte**, like RF protection and the use of lightning rods. Well worth reading for any Floridian.

So — go out and spring for a handful of MOV's. Next time you are wondering whether to cut out of a MARS net while a message to your station is being transmitted at the same time that thunder is making nasty little grumbles in the distance, you'll be glad you installed them!

THE CLUB PRESIDENT

If he begins on time: He is a tyrant.
If he waits for latecomers: He is too tolerant.
If he assumes the spokesman role: He becomes a bore.
If he yields: He becomes unnecessary.
If he calls for silence: It is an abuse of his power.
If he permits disorder: He fails in authority.
If he is firm: He takes himself too seriously.
If he is good natured: He does not maintain his rank.
If he expounds his own ideas: People are perforce against him.
If he asks for a choice: He is irresolute.
If he is dynamic: He is worked up.
If he remains cautious: He is inefficient.
If he does everything on his own: He is conceited.
If he delegates: He is lazy.

(From Linear Lines, via ARNS)

•

100 Watts and a Whip! Put it in your car and hit the road for the 1984 Florida QSO Party (May 5th and 6th). Mobile and Portable operators needed to activate many of Florida's 67 counties. Awards to the Top Scorer in each county. Send the counties you can cover to P.O. Box 9673, Jacksonville, Fla. 32208.

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RATE CARD INFO. HAMBAR service of electronic equipment ONLY is available to all subscribers, amateurs and non-amateur at the rate of 5 cents per word, which includes address, call sign, etc. Minimum charge for any HAMBAR is $2. All commercial and non-subscribers rate is 10 cents per word. Minimum charge of $3. for each HAMBAR. No reruns.. Each HAMBAR must be resubmitted each month. No ad will be published unless accompanied by full remittance! We require all HAMBAR ads contain full mailing address, call sign and the ZIP, Area/phone number, if any. Make it EASY for person wanting to buy YOUR equipment. No HAMBARs via telephone! Commercial display, full page $80.25, Half Page $50.25, 1/4 page $35.25 and 1/8 page $24.25, CAMERA READY. Lay-out, make-up, type-set fee is extra according to size of ad and type-set required for same. DEADLINE for all Hambars and ads, 8th of each month in P. O. Box 501, Miami Springs, FL 33266 Normal mailing date 25th of each month. Thank you for your cooperation. Editor.

STATION FOR SALE: Kenwood TS820S, AT 200, Drake TR4 with speaker, PS and MN 2000 tuner, Heathkit amplifier SB220, miniquad HQ-1, vacuum coil ant., 2 Astatic mics, 5-BTV Hustler mobile ant. with RMS coils 10, 15, 20 and 40 plus manuals and assortment of controls, test equipment, large amount cables, etc. First $1000.00 takes it. You pick-up. E. S. Ferguson WB4-JMJ, 1120 SW 22 Ave., Delray Beach, FL 33445. 305 243-4469.

ATTENTION: We sell any new amateur radio equipment. Call us last for down to earth quotations!!! We are the only dealer in the U.S.A. that offers a performance test on equipment, included in price !! We take trades !! Call us if you are looking for good used ham equipment! INTERNATIONAL RADIO, Inc. 1532 SE Village Green Dr., Suite L, Port St. Lucie, FL 33452 305 335-5545. mon thru fri 10AM to 5PM. Master/Visa acceptable.

100 Watts and a whip! put it in your car and hit the road for the 1984 FLORIDA QSO PARTY May 5 & 6th. Mobile and portable operators needed to activate many of florids 67 counties. Awards to the top scorer in each county. Send the counties you can cover to P. O. Box 9673, Jacksonville, FL 32208.

NOTE: ICOM & KENWOOD OWNERS! You are definitely missing out, if you do not receive our very informative separate newsletters! Free information! Send S.A.S.E. to International Radio, Inc., 364 Kilpatrick Ave., Port St. Lucie, FL 33452.

FOR SALE: Color and B&W TV sets. Some work some need repair. Need the room. $20. each. Andy Clark W4IYT, 41 Lenape Drive., Miami Springs, FL 33166 305 888-3874 after 7 p.m.

REMEMBER: ALL STOLEN equipment is published FREE IN HAMBAR COLUMNS. Give S/N and full details. Editor.....

FOR SALE. Autek MK-1 100 character memory keyer with standard Vibroplex keyer $100. Kenwood MC-35S mic. $20. You Ship. Mat Stennet WA4TKG,
Rt. 3 Box 108, Alachua, FL 32615 904 462-3900.

SELL—SWAP: 1927 ARRL Handbook cover worn, inside A-1. Chandler high speed code course circa 1930, complete A-1. SX28 Interested in TRS80 or Commodore system. Offers? Charles W. A. Travis, Jr., W4EB, P. O. Box 1381, Crystal River, FL 32629 904-795-6660.

FOR SALE: G.E. Progline 2 meter, 2 chnl 50 watts, Heathkit Model HA201A 2 meter amp, M-SQ converter P/S M/B Vo-Com amp 2 in. - 30 out, YD-148 Yaesu desk mike, Macrotronics Interface c.w. RTTY for TRS-80 model I, model 19 RTTY machine, Mainliner TT/L2 Demogulator with precision scope, Hamsoft c.w. & RTTY program for VIC-20. Robert W. Honey WD4OIF, 10876 SW 69th Dr., Miami, FL 33173.

IF YOU ARE TIRED OF ALL THE HEAT AT FIELD DAY, TRY THE FLORIDA QSO PARTY (MAY 5TH & 6TH) OPERATE IN AIR CONDITIONED COMFORT FROM YOUR CAR AND HEL ACTIVATE FLORIDS RARER COUNTIES! LIST THE COUNTIES YOU OR YOUR GROUP CAN COVER AND SEND TO PO Box 9673, Jacksonville, FL 32208! AWARDS AND CERTIFICATES TO TOP SCORERS IN EACH COUNTY. (PHONE & CW.)

REMEMBER....WHEN YOU CHANGE YOUR ADDRESS, PLEASE GIVE US YOUR OLD ADDRESS AS WELL AS YOUR NEW! WE FILL CARDS BY CALL SIGN & PLATES BY ZIP NUM-BERS 73 BETTY CLARK, W4GGQ BUSINESS MGR.

WANTED: 40 Ft. tower which requires no guys. R. D. Ralston K4LFF, Rt. 5 Box 198-B, Thomson, GA 30824.

AZDENS PCS-300 2 mtr handheld, PCS-4000 2 mtr, PCS-4200 220 MHz, PCS-4300 UHF, PCS-4500 6 mtr. PCS-4800 10 mtr. all FM transceivers. Complete AZDEN accessories. Mosley beams TA-33, TA-33 Jr, TA-36, TA-39KR, TA-40KR, CL 33, CL-36, PRO-36, S-402 & many more Mosley items. Martin Engineering Towers aluminum stack sections, the H-6 Hazer brings the complete rotor & beam to the bottom of your tower easy. All Martin Towers can be shipped UPS. Maximum wind speed, direction, time, tide, pressure, temperature instruments. ALUMA Towers mobile van, mobile trailer, crank-up, stack section, mobile home, heavy duty, light duty ALL Aluminum Towers. T-140, T-150, T-160, T-1100, T-135, T-145, T-40H, T-50H, T-60H T-75H, B130RH, T-35H. Will take anything in on trade that will not eat on the above items. Check with us on used gear and towers. ROBERT D' McCLARAN SALES, P'O. Box 2513, Vero Beach, FL 32961 305 567-8224.

FOR SALE: ANTENNA tuner, Tokyo High Power model HC-2000, as new in original carton $195. Norm Allen W4OYE, 510 Lafayette St., New Port Richey, FL 33552 813 848-0741.

TO BE IDLE REQUIRES A STRONG SENSE OF PERSONAL IDENTITY . KA4ENZ.

SELL: COLLINS KWM2A with extended frequency coverage, PM-2 power supply CC-2 carrying case, 312B5. All excellent condx $700. Jack Babkes W2GDG, 7410 SW 20 St., Plantation, FL 33317 305 791-7410.

FOR SALE: Alliance rotor model HD-73 with 5 element 6M beam and 30 ft. push up pole all for $100. You take down. Heathkit DX60B and HD-10 VFO cream puff shape $100. (offer) Don McKenzie WA4ZRX, 5860 - 46 Ave. N., St. Petersburg, FL 33709 813 544-2629.

INTERNATIONAL RADIO INC MARCH SPECIALS Kenwood SM-220 monitor scope $225. with box, manual. HM-12 wattmeter, manual $25. Yaesu FT-102 brand new $599. Ship lower 48 states. Trades accepted. Business two-way radio telephone. Make and receive calls from your home telephone. Consists of 2 ICOM IC125 25W programable business radios, with encoder/decoders. (Private line). 2-100 watt amplifiers, base and mobile antennas. Base station supply Astron 35M, CS-850 auto connect patch, 50 ft. telescoping pole, AFA Asopole. Complete for VHF business band $2,700. Plus shipping. SELL: Heath GR-110 Scanner 12VDC, 115VAC, 146-174MHz with 4 crystal certificates $75. Narco TR-1000B aviation portable transceiver self-contained rechargeable batteries, 10W output, covers 118-135.975 MHz, synthesized with removeable Narco Com-120 receiver $1,199.00. Symtek preamp SABA/5 with built-in power supply $75. Yaesu FT-901DM, 12DC, 115VAC, mic, manual $599. FV-101 $99. FTV-650 $99. Simpson V.H.F. model B marine, 25 watt WX, 06, 16, 68, 09, 12, 72, 14, 26, 28, 28 $99. Heath SB-200 $299. Yaesu FR-101 digital receiver with 2M and 6M converters and 10 extra crystals. CW filter $375. FL-101 matches receiver with FR-101 $250. Yaesu multi mode 2 mtr FT-221R, mic, manual $299. Kenwood R599 ham band solid state receiver CW & SSB filters AM, FM, CW, SSB, squelch. 50 MHz & 144 operation with converter 115 VAC & VDC operation $169. EX-2 linear relay/calibrator $25. Yaesu FT-2 2 meter transceiver crystal-scanning receiver no transmit, with book $45. as is. ICOM IC-230, basically works, with mic & manual, as is $45. Kenwood hand held TR2500, LH-2 leather case, MS-1 mobile stand/charger supply SMC-25 speaker/mike, ST-2 desk quick charger/power supply, mod. SC-4, extra soft leather case & belt clip. Will not seperate complete $369. All boxes and manuals. Excellent condx. Cregg regulated supply, mod. 011, 13.8 VDC, 8 Amps $45. Kenwood Twins R599, 6&2 meter converter built in, T599 transmitter matching speaker, mic and manuals $325. WANTED: 12 VDC to 115 inverter over 300 watts. INTERNATIONAL RADIO' Inc. 1532 SE Village Green Dr. Suite L, Port St. Lucie, FL 33452 305 335-5545 (day) 878-7296 (evenings.)

NOTICE: Another FREE FLEE is in the works for March 17th (Sat.) at motorola parking lot in Plantation. From 8 a.m. until....Tail-gaters welcome. Cy W4MAQ.

SELL: YAESU FT-101B with CW filter & microphone $295.00. Realistic DX-160 general coverage receiver $60. MFJ-900 antenna tuner 200 watts RF output, will tune wires or coax new in box $35. Heathkit HD-15 phone patch $30. Ham key, strait key $15. Super-pro electronic video game never used $20. Eddy Rojas WY4J, 10871 SW 69 Dr., Miami, FL 33173 305 553-7927 nights 305 596-9704.

FOR SALE from Jim Wilson W4GDKs estate. Drake TR-7 transceiver. Contact E. Wilson, 1204 Avocado Isle, Ft. Lauderdale, FL 305 525-3923.

SELL: ROBOT 800 new & in original carton with manual $300. Atari 800 48K RAM & program recorder and manuals $275.00. Ed Koch KD4FG, Rt. 3 Box 144, Crystal River, FL 32629 904 795-2526 after 5PM.

WANTED: DG-5 for Kenwood 520 and schematic for Elmac A54 Transmitter. Mel Page, KE4RY, 2215 E. 97 Ave., Tampa, R 33612 813 949-7835.

FOR SALE: SWAN 700CX, VOX, power supply 117XC, manual/schematics. Good condition, nice appearance. Mike not available, sentimental value. Price negotiable for cash. Serious inquires only. Asking $450. Charlene Ford, N4IQN, 725 Cinnamon Road, North Palm Beach, FL 33408. No collect calls, 305 622-7854.

FOR SALE: Complete 40 foot Rohn 25G tower with heavy duty thurst bearing,rotor plate, work platform, base plate, house bracket, guys, 10 foot mast $225. Ham M rotator $50. Hy-Gain 18AVT vertical $35. Douglas McDuff WB4MAI, 10380 SW 112 St., Miami, FL 33176 (H) 305 253-2318 (W) 374-1212.

SELL: Ringo Ranger ARX-2B, like new, $20. plus shipping. Emil Weber K2EW/4, 12 Honeybear, Ormond Beach, FL 32074 904 - 672-9395.

FOR SALE: HAL CWR-6850 telereader, CW RTTY ASCIIRourot, used 9 months. Upgrading station. Asking $750. With manuals. Tom Shaw KA4MPM, 12535 NW 12 Ct., Miami, FL 33167 305 681-3645. Many features. First class condition.

FOR SALE: COLLINS HF Master Osc. super stable VFO 2.0 to 4.2 MHz. AFC xtal oven. Tube type in 19 inch rack mount. Vy good condition $100. or best offer. Lab quality Boonton xtal-VFO signal gen. Mod. 211A, 90 to 140 MHz with matching power supply. Both in 19 inch rack mount $50. U Ship. Bud Miller KA4AIK, 902 Nightingale, Miami Springs, FL 33166 305 887-7655.

SUPER VALUE. Kenwood TS-520 and ICOM 2AT, both working perfectly for low price. Call Joe Schmidt W4NKJ, 101 NE 39 St., Miami, FL 305 573-0686 or 666-4730.

FOR SALE: DRAKE RV4-C remote VFO, mint condition $50.00. Autek Research keyer model MK-1 (page 116 Feb. QST) W/built in power supply, mint condx $65. 53 tubes boxed for Drake TR4C new (approx. 3 complete sets, $35. Shure 444 microphone mint condition $20. Heavy duty blower fan for 4-1000A final amplifier, excellent $10. SWAN WM-2000 SWR-Watt meter 0-200, 0-1000, 0-2000 ranges mint condition $35. Yaesu FL-2000B 1200 watt final amp. with new 572B tubes & 10 mtrs $280. All manuals, cables and original cartons. Pick-up and try out on operating table or u pay UPS. Don Phillips W4PEL, 7807 NW 39th St., Coral Springs, FL 33065 305 752-2990.

FOR SALE: HW101 W/PS $225. Flesher TU-170 $75. HW-8 W/PS $125. All above for $375. Gregg Eberman W2SDV, 1335 Fleming Ave., Ormond Beach, FL 32074 904 677-0184.

FOR SALE: NATIONAL NCX-5 transceiver, digital dial, works, with book $100. Heathkit walkie talkie HW-2021 with charger $35. Charger for HT-220 Slimline $10. WANTED: Book on Hallicrafter HT-44 transmitter. Will copy and return. Richard Marsh WA4JJQ, 7350 Buchanan St., Hollywood, FL 33024 305 961-6839 mornings.

In same Q TH and same biz for more than 30 years. Now that I am 87 years of age, I feel I must sell SKYLANE PRODUCTS as soon as possible. Sales average $2000.00 per month and inventory $2000.00. Ideal for ham who likes to make friends and treat them right. Lots of income deductions you can take from your income tax. Ideal for a ham in Florida or moving from Snowbird Country who has a few hours or so a day on his hands. If interested, write, call or visit me at the following address: Skylane Products, 406 Bon Aire Drive, Temple Terrace, FL 33617 (near Tampa) 813 988-4213. Ask for Van W4YM. See our display ad elsewhere.

THE SMILE THAT LIGHTS THE FACE ALSO WARMS THE HEART....KA4ENZ....

FOR SALE: Model 28RO TTY Printer, works great, very quiet, and in mint condition. Includes, paper, ribbon, manual and loop supply. Set for 100 WPM $175 OBO', u-pick up. Earl Johnson W4LLX, 121 Sisth Ave., Shallimar, FL 32579 904 651-4844.

FOR SALE: BC-610E, 500 watt AM-CW xmtr, good condition $195. Viking Ranger xmtr $100. Hallicrafters xmtr mod. HT-37, AM-SSB-CW, good condition $195. Heath xmtrDX-100 $75. Johnson Viking Adventurer with matching VFO $100. Hallicrafters rcvr SX-111 only $95. Heath phone patch HD-15 $45. Swan 500C including power supply $175. Heath single bander 75 mtrs with power supply and speaker $125. 2 Lafayette 5 3 channel walkie-talkies with battery charger, only $75. complete. National NC57B receiver $50. National NC-300 2 meter thru 160, AM-SSB-CW, an excellent rcvr $200. Pete Wiltjer K4TV, 37 Plantation Rd., Debary, FL 32713 305 668-8125. No long distance collect calls.

WANTED: Will pay well for private lessons for two sailing couples to prepare for Ham license. Time a factor, South Miami Area. Murray Ginsburg, 11300 SW 70th Ave., Miami, FL 33156 667-4175 anytime.

ATTENTION KENWOOD & ICOM OWNERS: Informative seperate Newsletters! 5th year of publication! Back issues available. Add more selectivity to your 430, 830 & 930. Magicom RF Clipper Processor for TS-120, 130, 430, 520 & *20. Call for prices. IC-730 FM Kit $79.95. TS-830S FM Kit $94.95. Send .37 cents SASE for FREE BROCHURE to International Radio, Inc., 364 Kilpatrick Ave., Port St. Lucie, FL 33452 305 335-5545. Master/Visa accepted.

FOR SALE: New ICOM IC251A, 2 Meter transceiver with an ICOM IC-EX2 marker/extension terminal $500. KLM-10-140 BL 2 meter amp. $135. Microwave modules MMT 432-285 432-436 MHz SSB transverter $250. Yaesu YD-844 mike $15. Wilson WR500 rotor and control box for parts $20. All items are complete with manuals and boxes. R. Ochs K4KCF, 5107 El Claro, West Palm Beach, FL 33406 305 684-2951.

FOR SALE: WU teletype ARS-32 in great shape. Will demons trate. Will throw in paper rools, tape for repref and typing ribbons. Must be picked up $150. (Offers?) Don McKenzie WA4ZRX 5860 - 46th Ave. N., St. petersburg, FL 33709 813 544-2629

TEN-TEC 580 DELTA transceiver with model 280 power supply & Ten-Tec ultramatic keyer with operating manual. Mint condx $550. Ray Burford KB4DFN, 6884 NW 12 St., Planatation, FL 33313 305 584-6933.

REMEMBER A HALO ONLY HAS TO SLIP A FEW INCHES TO BECOME A NOOSF! ! KA4ENZ .... ..

FOR SALE: YAESU 2M FM model FT227RB with TT pad mike in excellent condx. $200. (offer?) UPS paid. Don McKenzie WA4ZRX, 5860 - 46th Ave. N. St., Petersburg, FL 33709 813 544-2629.

FOR SALE: DRAKE TR-6 6 meter transceiver PS/spkr, extra set of tubes. Excellent shape $400. (Offers ?) Don McKenzie WA4ZRX, 5860 - 46th Ave. N. St. Petersburg, FL 33709 813 544-2629.

WANTED: GOOD COMPETENT AMATEUR RADIO REPAIR TECHNICIAN, PART TIME. INTERNATIONAL RADIO, INC. call 305 335-5545.

[redacted]
for private collection. Mack Greene N4CXP, 1960 US 19 South Lot 444, Clearwater, FL 33546 813 531-7835.

FOR SALE: E-Z RBX-50 tower with ground post. Classic 33 Moseley, Ham-M rotator. Package deal $800. L. Symons 58 Bay Heights Dr., Miami, FL 33133 305 874-6819 (office) 854-1972 after 6 pm.

COMMODORE 64 USERS! ! Two Amateur Radio Programs: "Electronic Log Book" (More than 600 entries) and "Morse Code Practice" with graphics. Also a program to calculate antennas. Disk only $15. Send check to Albert Coya N4AL, 1710 SW 83rd Ct., Miami, FL 33155.

TAKE TIME TO PAY..IT IS THE SECRET OF PERPETUAL YOUTH.....KA4BJE..

ATTENTION GAINESVILLE AREA AMATEURS; Roy Neal K6DUE will be speaking at Williamson Aud. in the University of Florida, Gainesville, FL, March 7, 1984 at 8 PM. All welcome.

SATTELITE DISH FOR SALE: 12 foot diameter fiberglass, manufactured by AMPLICA. Like new. Gaston Ruiz WD4OCF, 6630 SW 47th St., Miami, FL 33155 305 667-8625.

WANTED: Several good new or used, reasonably priced 572B or equivalent. B. J. Kozak K4IK, 802 17th St., Zephyrhills, FL 34248 813 782-3448.

INTERNATIONAL RADIO, INC. A COMPLETE AMATEUR RADIO REPAIR AND MODIFICATION FACILITY: We repair all amateur radio equipment, offer performance testing and optimize alignments. We can update any amateur products, ICOM, Kenwood, Yaesu, Collins, Drake. SWAN, Ten-Tec, etc. Quality repairs and modifications at a reasonable cost. Walk-in service! UPS & Postal shipping available. Fast turnaround time. Thirty years experience in service work. Radio amateur extra class license n*RT. WE specialize in installing any modifications in the International Radio, Inc. (ICOM/KENWOOD NEWSLETTERS) and Fox-Tango (YAESU NEWSLETTER'). Write for our complete brochure. Call or write for quotation. We accept VISA & MASTER Charge cards. International Radio, Inc. facility is conveniently located just off US 1, north of Stuart and south of Ft. Pierce. From the FLA Turnpike Exit 54, take Port St. Lucie Blvd., east off US 1 (4 miles), turn left on US 1 (north), drive 2 miles to Village Green Dr., turn right. We are located to the rear of the building. INTERNATIONAL RADIO, INC., Suite "L", 1532 SE Village Green Dr., Port St. Lucie, FL 33452. 305 335-5545 10AM to 5PM local time.

N O T I C E ! ! PLEASE CHECK YOUR MAILING LABEL. If your ZIP number is not correct please advise us ASAP. When you change your address give us your OLD ADDRESS as well as your NEW ADDRESS. Allow about 2 weeks for an address change. If you move without telling us your address plate goes into the dead file. Thanks. Editor.

PLEASE NOTE: ALL HAMBARS ARE $2.00 MINIMUM, 5 CENTS A WORD OVER FORTY WORDS. SEE RATE CARD INFO AT BEGINNING OF HAMBAR SECTION FOR DETAILS ON ALL ADS. Thanks, Editor.

NOTICE: ALL STOL EN AMATEUR EQUIPMENT PUBLISHED FREE IN THIS COLUMN REGARDLESS IF YOU ARE A MEMBER OR NOT. Editor. Note: Many items have been recovered via this column.

COAX: GRG8-U, 58U 11 U, various lengths 10 cents per ft. PL259s 50 cents each (min. $2. order) Lapp antenna insulators, best money can buy, buck each. No. 12 antenna copper wire 40 ft. roll,$3. each. All plus UPS. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

N O T I C E: FLORIDA QSO PARTY will be handled by a Jacksonville Club. QSO Party is May 5-6 1984. Full details will appear in SKIP later. Pass the word.

FOR SALE: YAESU 208R 2 meter handheld with NC-8 deluxe desk charger, PA-3 car adapter/charger, FBA-2 battery pack adapter YM-24A speaker/mic, MMB-10 handie bracket, PL tone board installed. In factory cartons and in absolute like new condx. $350. Daniel Bazo N4AGU, 13397 SW 11 Lane, Miami, FL 33184 305 226-0869.

HELP MAKE FLORIDA POPULAR ON MAY 5th & 6TH. PLAN NOW TO OPERATE THE FLORIDA QSO PARTY FROM A RARE COUNTY IN YOUR VICINITY! CONTACT N4UF OR W4PTT FOR DETAILS.

SELL: VIC-20 computor with users manual $75. Its new condx in original carton. Jerry Meeks W4DZN, 7745 Coral Blvd., Miramar FL 33023 305 987-4055.

SELL: DENTRON MLA-2500 last model with 160/10M $550.00 Hy-Gain 204BA 4 element monoband Yagi $110. Mosley Clasic-33 $125. Drake TC-2 transverter $100. CC1/SC-2 converter $50. All manuals. Mike Enciso AA4CM, 906 Elrado, Coral Gables, FL 33134 305 444-6609.

FOR SALE: TA-33 beam and Ham-M, pick up $125. cash only. Tom Roberts K5CJ, 4130 Sussex Ave., Lake Worth, FL 33461 305 967-5997.

WANTED: NATIONAL NCL-2000 linear or parts. Elmer Shafer N8ES, 3479 Kersdale Rd., Pepper Pike, OH 44124.

FOR SALE: 50 FT' SKY NEEDLE type tower $500. Dick Mays, K4AXC, 1031 Hunting Lodge Dr., Miami Springs, FL 331-66 305 871-6498.

FOR SALE: Heath HM-102 SWR/power meter. Has 0-200 and 0-2000 watt scales plus SWR scale, excellent, book $29. Hallicrafters R-45 (5X5X4") speaker $12. US CALLBOOK 1980 $5. Brand new in box Amperex 7854 VHF/UHF power tube $11.00. HAL ST-5 converter, built by professional $45. ATLAS AFC-1 freq. extender $15. DATA ENGINEERING Tone Encoder, like new $15. Motorola HT-200 with .94 &.+ 34 plus two Cadmium battery 450 MaH 15 V. NLN6900A packs all $100. Above plus UPS. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33-166 305 888-3874.

WANTED: Fold over tower (under 5 years old) 30 to 40 feet. Edward Heintz KA4CUC, 2014 Royal Palm Dr., Edgewater, FL 32032 427-9369. Perfer local area.

SELL: KENWOOD TS-130S, MC50 $450. Kenwood 2 M FM xcvr, TR-7400A $150. Good condition, manuals. J. Green K4JOI, 112 Craft Rd. Brandon, FL 33511 813 685-6846.

TAKE TIME TO THINK---IT IS THE SOURCE OF POWER..KA4-BJE, Miami.

WANTED: Desk charger for Kenwood TR-2400, also misc parts for VHF Engineering repeater. FOR SALE: Bird type wattmeter slugs, 200-500 MHz at 5 watts, 100-250 MHz at 25 watts, 100-250 MHz 50 watts. 200-500 MHz at 50 watts $20. each. Concord, reel to reel stereo tape recorder, like new $80. Wilson, 6 freq. handi-talkie, 2W, Mod. T-1402, 2 meters $90. G. Pohl, Box 391, Elfers, FL 33531

THIS ONE IS A CLASSIC, Kenwood TS-900, CW filter, speaker, power supply $450. Lester Huk K4EXQ 7101 SW 11 St., Pembroke Pines, FL 33023 305 981-7007.

FREE: U PICK UP. QST (17 years in binders) 73, HR & CQs, packed. Ellis Saxton W4QED, 701 NE 38th St., Boca Raton, FL 33431 305 391-0494.

SELL: AMPROBE RS-3 never used cost $98. sell $5. ups PPD. SWAN MK VI. 6M 2Kw PEP amp. $300. SWAN 250C W/PS $225. SWAN 210 VFO $50. SWAN 500 W/AC $275. SWAN NSI NB 25. Book list available SASE. WANTED: DRAKE MN-2000. John Kakstys MN4C, 18 Hillcrest Terr., Linden, NJ 07036 201 486-6917.

FOR SALE: DOVETRON MCP-1000 Mark II RTTY terminal unit. In excellent condition save big $725. (Offers). Don McKenzie WA4ZRX, 5860 - 46th Ave. N., St. Petersburg, FL 33709 813 544-2629.

TAKE TIME TO READ -- IT IS THE FOUNTAIN OF WISDOM.

SELL: AMP supply 1200W linear $375. MFJ-962 tuner $175. New never turned on. Linear is small tables top type with self contained power supply. Can ship UPS in factory cartons. Dont have energy or room for high power. J. A. Ilderton W4GZQ, 2261 NE 39 St., Ocala, FL 32670 904 629-4582.

SELL: CENTURY 21 $200. George Sperry W4UKA, 635 SE 19th St., Ocala, FL 32671 Evenings 904 732-3364.

SALE: Estate of W4APY, 40 ft. crank up E-Z Way, tilt over, tower with tri-band ant. and rotor $450. Collins KWM2A transceiver, power supply, speaker $400. 312B -5 Collins $75. 30L1 $400. Dentron Clipperton L $400. Tempo 1 2 meter $100. ICOM 2M IC-215 $80. Bob Merada WB4MCF, 3126 65th Way N., St. Petersburg, Fla. 33710 813 343-2697.

ATTENTION: Interesting buy-Sell trade publication. Send SASE for free issue. Ham Boneyard, 364 Kilpatrick Ave., Port Saint Lucie, FL 33452.

ONLY THE TRULY GREAT ARE HUMBLE, AND ONLY THE HUMBLE ARE TRULY GREAT...KA4ENZ. . .

SELL: YAESU FT101ZD with Fox Tango cascade filters and 10 MHz band kit $550. with 2 fixed crystals and mike. Dentron MT 3000A 10-160 tuner $90. Henry 2KDS linear amp 10-80 meters $600. firm. Yaesu FT208R with new battery -PA3 car adapter/ charger - 117 v. charger, leather carry case - mobile bracket $275. All being used every day and in excellent condition. Larry Hawes KA4QZQ, 436 Bradenton Rd., Venice, FL 33595 813 493-8238.

FOR SALE: Yaesu FT-301AD transceiver (all solid state) digital readout 160 thru 10M (WWV/JJY-receive only) LSB, USB, CW, AM, FSK. 200 watts PEP. Power supply FP301D with 12-24 Hr. digital clock 13.5 V d.c. operates on 115 VAC or 220 VAC with automatic ID circuit for coded call sign. Automatic or manually operated. YO-301 monitor scope complete with accessories. Hustler 4BTV vertical antenna 40M thru 10M. All above with all manuals. Package deal. (Not sold seperate) $750. FIRM! Ralph Vallejo KA4RTB, 6014 N. Grady, Tampa, FL 33614 Eves. 813 886-0760.

FOR SALE: ESTATE SALE W4AAT. Heath Transistor tester Mod. IT-18, $20. Heath HM-15 SWR mtr. $15. B&W 376 coax switch new in box $18. Astatic D-104, cord & plus $20. Heath 202 2 mtr xcvr with HW201 AC supply $80. Triplett mod 630 VOM $20. Poly-switch coax switch $14. TR-44 brand new still in box with control rotor and cable $75.. Muffin fan $8. All plus shipping. A. Plante, 172 Carlisle Dr., Miami Springs, FL 33166 305 871-5329.

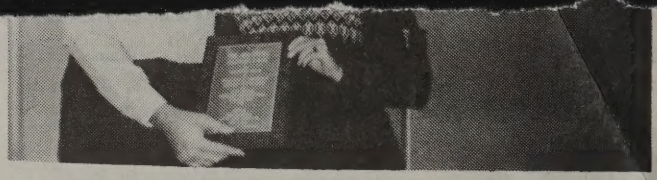
WANTED: Transceiver tube type or tube finals with power supply 100 watts out or best - mint only. Preferably in WPB area. Lee Leighton K4AY, 3610 Lighthouse Dr., Palm Beach Gardens, FL 33410 305 626-5711.

FOR SALE: SWAN 250 with 117XC 160.00 ALDA 103 80/40/20 solid state mobile $225. RS Model I level II 16K with monitor $225. Southwest TECHNICAL PR40 printer complete with interface for TRS-80 Model I $100. Dave Frey K3AAX, 619 Avignon Dr., Melbourne, FL 32935 305 259-2625.

FOR SALE: KENWOOD TR-7800 2M 25 watt mobile transceiver with scan, up-down mike, manual, bracket. Good condx. $225. or best offer. Bob Needleman KD4ZN, 4704 Bay Willow Ct., Orlando, FL 32808 305 298-5621.

FOR SALE: Hallicrafters SX-99 receiver. Works but needs alignment and switch $25. plus shipping. Lee Leighton K4AY, 3610 Lighthouse Dr., Palm Beach Gardens, FL 33410 305 626-5711.

FOR SALE: Mosley MP-3340 "Tiger Array" 40- to 10 meters. ASTATIC Mod. 10DA with G-stand with push-to-talk switch cord and 3 connecter plug, excellent condx $20. KLM ECHO 70 CM 432 MHz SSB/CW transceiver with manual $75. Will take $75. for the Mosley beam also. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.



Last month we showed Jim McCormack KA4IAY with Kenny Rogers, singer/movie star. This month we show him with Mrs. Jill Lovell, Public Service Dept. of TV-6 in Miami. WCIX gave much prime time to the ARPSC, 'D amateur radio spots. A big thanks also goes to Channel 4 and 10 in Miami for their wonderful cooperation to Jim's ARPSC Publicity programs. The plaque was presented to Mrs. Lovell and WCIX by KA4IAY and the DADE COUNTY ARPSC PLANNING COMMITTEE.

1984 FLORIDA QSO PARTY

The 18th annual Florida QSO Party, sponsored by **Florida Skip** magazine, will be administered by a Jax area club. Scheduled for early May, this weekend event features competition among Fla. stations and clubs based on contacts made over an 18 hour period.

Plaques are awarded by **Florida Skip** in 5 categories. The administering organization is responsible for publicizing the QSO Party, checking the logs submitted and compiling a list of results to be published in **Skip**.

An agreement was reached at the Melbourne Hamfest between **Skip** Editor Andy Clark, W4IYT and Northern Florida ARRL Section Manager Billy Williams, N4UF who will designate a club as the administrator and will supervise the operation.

It is possible that NOFARS could be the administrator club if the Board of Directors approves. Costs to the club are expected to be in the $15-$50 range for postage and office expenses with **Skip** providing all trophies, certificates and publicity.

At least one other Jax area club is interested but the larger clubs will get first crack. Any NOFARS member interested in assisting can contact N4UF at 765-3230 or 757-6289. More details will be forthcoming soon.

LATEST CALLSIGNS

Here are the district four callsigns that were the last issued on the first of November 1983.

Group A	Group B	Group C	Group D
WW4J	KI4BT	N4JMI	KB4HND

Thanks to the new novice licensing procedure, the time for receiving a new license has been cut from 56 days to around 28 days.

(ACE REPORTER)

NOTICE — AMATEUR RADIO CLUBS

The recent events in Grenada demonstrated one of the many services of Amateur Radio. There are other ways to inform the public about amateur radio and pray we do not have another Grenada.

One way to inform the general public is provided by ARRL through Public Information Assistants. If your club does not have anyone appointed as PIA, please send me the Name, Call Sign, Address, Phone Number of someone in your club willing to serve.

Rudy Hubbard, WA4PUP
Public Information Officer
Northern Florida District